

# Solute Carrier Family 3, Member 2 (SLC3A2) Recombinant Protein | SLC3A2 recombinant protein

Recombinant Solute Carrier Family 3, Member 2 (SLC3A2)

|                               |                       |                                                                           |
|-------------------------------|-----------------------|---------------------------------------------------------------------------|
| CATALOG #<br><b>AAA134491</b> | HOST<br><b>E Coli</b> | APPLICATIONS<br><b>Immunoprecipitation, ELISA, Western Blot, SDS-Page</b> |
|-------------------------------|-----------------------|---------------------------------------------------------------------------|

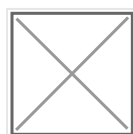
## PRODUCT SYNONYMS

Solute Carrier Family 3; Member 2 (SLC3A2); Recombinant Solute Carrier Family 3; SLC3A2 recombinant protein

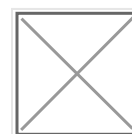
## PRODUCT SPECIFICATIONS

|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                   | E Coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Purity/Purification                                    | > 95%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Form/Format                                            | Supplied as lyophilized form in PBS,pH7.4, containing 5% sucrose, 0.01% sarcosyl.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Sequence                                               | The target protein is fused with N-terminal His -Tag, its sequence is listed below.<br>MGHHHH HHSGSEF-LP A Q K W W H T G A L Y R I G D L Q A F Q G H G A G N L A G L K G R L D Y L S S L K V K G L V L G P I<br>H K N Q K D D V A Q T D L L Q I D P N F G S K E D F D S L L Q S A K K S I R V I L D L T P N Y R G E N S W F S T Q V D T V A T K V K D A L<br>E F W L Q A G V D G F Q V R D                                                                                                                                                                                                                                   |
| Sequence Length                                        | 631                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Applicable Applications for SLC3A2 recombinant protein | IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Organism                                               | Homo sapiens (Human)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Expression System                                      | Prokaryotic expression                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Residues                                               | Leu213~Asp349 (Accession # P08195) with N-terminal His-Tag                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Endotoxin Level                                        | <1.0EU per 1ug (determined by the LAL method)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Reconstitution                                         | Reconstitute in sterile PBS, pH7.2-pH7.4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Preparation and Storage                                | Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months.<br>Stability Test: The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition. |

## IMAGES



SDS-PAGE



Sequence

## NCBI AND UNIPROT INFORMATION

|           |          |
|-----------|----------|
| NCBI GI # | 61744477 |
|-----------|----------|

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GeneID                      | 6520                                                                                                                                                                                                                                                                                                                                                                                               |
| NCBI Accession #                 | NP_001012680.1                                                                                                                                                                                                                                                                                                                                                                                     |
| NCBI GenBank Nucleotide #        | NM_001012662.2                                                                                                                                                                                                                                                                                                                                                                                     |
| UniProt Accession #              | P08195; Q13543                                                                                                                                                                                                                                                                                                                                                                                     |
| Molecular Weight                 | 16.8kDa                                                                                                                                                                                                                                                                                                                                                                                            |
| NCBI Official Full Name          | 4F2 cell-surface antigen heavy chain isoform b                                                                                                                                                                                                                                                                                                                                                     |
| NCBI Official Synonym Full Names | solute carrier family 3 (amino acid transporter heavy chain), member 2                                                                                                                                                                                                                                                                                                                             |
| NCBI Official Symbol             | SLC3A2                                                                                                                                                                                                                                                                                                                                                                                             |
| NCBI Official Synonym Symbols    | 4F2; CD98; MDU1; 4F2HC; 4T2HC; NACAE; CD98HC                                                                                                                                                                                                                                                                                                                                                       |
| NCBI Protein Information         | 4F2 cell-surface antigen heavy chain; CD98 heavy chain; monoclonal antibody 44D7; solute carrier family 3 member 2; lymphocyte activation antigen 4F2 large subunit; antigen defined by monoclonal antibody 4F2, heavy chain; antigen identified by monoclonal antibodies 4F2, TRA1.10, TROP4, and T43; solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2 |
| UniProt Protein Name             | 4F2 cell-surface antigen heavy chain                                                                                                                                                                                                                                                                                                                                                               |
| UniProt Gene Name                | <b>SLC3A2</b>                                                                                                                                                                                                                                                                                                                                                                                      |
| UniProt Synonym Gene Names       | MDU1; 4F2hc                                                                                                                                                                                                                                                                                                                                                                                        |
| UniProt Entry Name               | 4F2_HUMAN                                                                                                                                                                                                                                                                                                                                                                                          |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)

Online datasheet: <https://stage.aaabiotech.com/slc3a2-recombinant-protein-e-coli-ip-immunoprecipitation-elisa-wb-western-blot-sds-page/134491>