

## Complement Component 3 (C3) Recombinant Protein | C3 recombinant protein

Recombinant Complement Component 3 (C3)

|                               |                       |                                                                           |
|-------------------------------|-----------------------|---------------------------------------------------------------------------|
| CATALOG #<br><b>AAA134740</b> | HOST<br><b>E Coli</b> | APPLICATIONS<br><b>Immunoprecipitation, ELISA, Western Blot, SDS-Page</b> |
|-------------------------------|-----------------------|---------------------------------------------------------------------------|

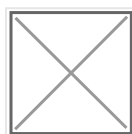
### PRODUCT SYNONYMS

Complement Component 3 (C3); Recombinant Complement Component 3 (C3); C3 recombinant protein

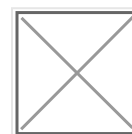
### PRODUCT SPECIFICATIONS

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                               | E Coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Purity/Purification                                | > 95%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Form/Format                                        | Supplied as lyophilized form in PBS,pH7.4, containing 5% sucrose, 0.01% sarcosyl.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Sequence                                           | Thetargetp roteinisfu sedwithtwo N-terminal Tags,His-t agandS-tag ,itssequen ceislisted below.<br>MHHHHHHSSG LVPRGSGMKE TAAAKFERQH MDSPDLGTDD DDKAMADIGS EF-LKHLIVT PSGCGEQNMI<br>GMTPTVIAVH YLDETEQWEK FGLEKRQGAL ELIKKGYTQQ LAFRQPSSAF AAFVKRAPST WLTAYVVVKVF<br>SLAVNLIAD SQVLCGAVKW LILEKQKPDG VFQEDAPVIH QEMIGGLRNN NEKDMALTAF VLISLQEAKD<br>ICEEQVNSLP GSITKAGDFL EANYMNLQRS YTVAIAGYAL AQMGRLKGPL LNKFLTAKD KNRWEDPGKQ<br>LYNVEATSYA LLALLQLKDF DFVPPVVRWL NEQRYYGGGY GSTQATFMVF QALAQYQKDA PDHQELNLDV<br>SLQLPSRSSK ITHRIHWESA SLLRSEETKE                                                                       |
| Sequence Length                                    | 1663                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Applicable Applications for C3 recombinant protein | IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Organism                                           | Homo sapiens (Human)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Expression System                                  | Prokaryotic expression                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Residues                                           | Leu1000~Glu1326 (Accession # P01024) with two N-terminal Tags, His-tag and S-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 targetprotein. 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 andprecipitation were observed. (Referring from China Biological Products Standard,which was calculated by the Arrhenius equation.) The loss of this protein is lessthan 5% within the expiration date under appropriate storage condition. |

### IMAGES



SDS-PAGE



Sequence

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 115298678                                                                                                                                                                                                                                                                                      |
| NCBI GeneID                      | 718                                                                                                                                                                                                                                                                                            |
| NCBI Accession #                 | NP_000055.2                                                                                                                                                                                                                                                                                    |
| NCBI GenBank Nucleotide #        | NM_000064.2                                                                                                                                                                                                                                                                                    |
| UniProt Accession #              | P01024; A7E236                                                                                                                                                                                                                                                                                 |
| Molecular Weight                 | 42.4kDa                                                                                                                                                                                                                                                                                        |
| NCBI Official Full Name          | complement C3                                                                                                                                                                                                                                                                                  |
| NCBI Official Synonym Full Names | complement component 3                                                                                                                                                                                                                                                                         |
| NCBI Official Symbol             | C3                                                                                                                                                                                                                                                                                             |
| NCBI Official Synonym Symbols    | ASP; C3a; C3b; AHUS5; ARMD9; CPAMD1; HEL-S-62p                                                                                                                                                                                                                                                 |
| NCBI Protein Information         | complement C3; prepro-C3; C3a anaphylatoxin; complement component C3; complement component C3a; complement component C3b; acylation-stimulating protein cleavage product; epididymis secretory sperm binding protein Li 62p; C3 and PZP-like alpha-2-macroglobulin domain-containing protein 1 |
| UniProt Protein Name             | Complement C3                                                                                                                                                                                                                                                                                  |
| UniProt Gene Name                | C3                                                                                                                                                                                                                                                                                             |
| UniProt Synonym Gene Names       | CPAMD1; ASP                                                                                                                                                                                                                                                                                    |
| UniProt Entry Name               | CO3_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.

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Online datasheet: <https://stage.aaabiotech.com/c3-recombinant-protein-e-coli-ip-immunoprecipitation-elisa-wb-western-blot-sds-page/134740>