

## Defensin Beta 2 Recombinant Protein | DEFb2 recombinant protein

Recombinant Defensin Beta 2 (DEFb2)

|                               |                                                           |                                                                           |
|-------------------------------|-----------------------------------------------------------|---------------------------------------------------------------------------|
| CATALOG #<br><b>AAA144346</b> | HOST<br><b>Host: E ColiSource: Prokaryotic expression</b> | APPLICATIONS<br><b>Immunoprecipitation, ELISA, Western Blot, SDS-Page</b> |
|-------------------------------|-----------------------------------------------------------|---------------------------------------------------------------------------|

### PRODUCT SYNONYMS

Defensin Beta 2; Recombinant Defensin Beta 2 (DEFb2); DEFb2 recombinant protein

### PRODUCT SPECIFICATIONS

|                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                  | Host: E Coli<br>Source: Prokaryotic expression                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Purity/Purification                                   | >95%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Form/Format                                           | Supplied as lyophilized form in 20mM Tris, 500mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.                                                                                                                                                                                                                                                                                                                                                                                      |
| Concentration                                         | 8 (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Sequence                                              | The target protein is fused with two N-terminal Tags, His-tag and GST-tag, its sequence is listed below.<br>MSPILGY WKIKGLVQPT RLLLEYLEEK YEEHLYERDE GDKWRNKKFE LGLEFPNL PY YIDGDVKLTQ SMAIRYIAD KHNMLGGCPK ERAEISMLEG AVLDIRYGV S RIAYSKDFET LKVDFLSKLP EMLKMFEDRL CHKTYLNGDH VTHPDFMLYD ALDVVLYMDP MCLDAFPKLV CFKKRIEAI P QIDKYLKSSK YIAWPLQGWQ ATFGGGDHPP KSDGSTSGSG HHHHHHSAGL VPRGSTAIGM KETAAKFER QHMDSPDLGT GGGSGIEGRG SMGYRGSEF-GIGDPVTC LK SGAICHPVFC PRRYKQIGTC GLPGTKCCKK P                                           |
| Sequence Length                                       | 71                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Applicable Applications for DEFb2 recombinant protein | IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Predicted Molecular Mass                              | 36.7kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Accurate Molecular Mass (KD)                          | 35kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Endotoxin                                             | <1.0EU per 1ug (determined by the LAL method)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Expression System                                     | Prokaryotic expression                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Tag                                                   | two N-terminal Tags, His-tag and GST-tag                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Organism Species                                      | Homo sapiens (Human)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Fragment                                              | Gly24~Pro64                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Usage                                                 | Reconstitute in sterile PBS, pH7.2-pH7.4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Preparation and Storage                               | 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. The loss of this protein is less than 5% within the expiration date under appropriate storage condition. |

IMAGES

Application Data



Sequence



SDS-PAGE



NCBI AND UNIPROT INFORMATION

|                                  |                 |
|----------------------------------|-----------------|
| NCBI GI #                        | 80478968        |
| NCBI GeneID                      | 13215           |
| Molecular Weight                 | 7,820 Da        |
| NCBI Official Full Name          | Defensin beta 2 |
| NCBI Official Synonym Full Names | defensin beta 2 |
| NCBI Official Symbol             | Defb2           |
| NCBI Official Synonym Symbols    | BD-2            |
| NCBI Protein Information         | beta-defensin 2 |
| UniProt Protein Name             | Beta-defensin 2 |
| UniProt Gene Name                | <b>Defb2</b>    |
| UniProt Synonym Gene Names       | BD-2; mBD-2     |
| UniProt Entry Name               | DEFB2_MOUSE     |

**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/defb2-recombinant-protein-e-coli-ip-immunoprecipitation-elisa-wb-western-blot-sds-page/144346>