

## Elastase 3A Recombinant Protein | ELA3A recombinant protein

Recombinant Elastase 3A (ELA3A)

|                               |                                                           |                                                                           |
|-------------------------------|-----------------------------------------------------------|---------------------------------------------------------------------------|
| CATALOG #<br><b>AAA143942</b> | HOST<br><b>Host: E ColiSource: Prokaryotic expression</b> | APPLICATIONS<br><b>Immunoprecipitation, ELISA, Western Blot, SDS-Page</b> |
|-------------------------------|-----------------------------------------------------------|---------------------------------------------------------------------------|

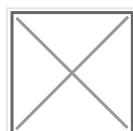
### PRODUCT SYNONYMS

Elastase 3A; Recombinant Elastase 3A (ELA3A); ELA3A recombinant protein

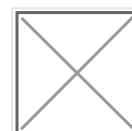
### PRODUCT SPECIFICATIONS

|                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                  | Host: E Coli<br>Source: Prokaryotic expression                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Purity/Purification                                   | >95%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Form/Format                                           | Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Sequence                                              | The target protein is fused with two N-terminal Tags, His-tag and GST-tag. Its sequence is listed below.<br>SHSSSRVVHG EDAVPYSPWP QVSLQYEKSG SFYHTCGGSL IAPDWVVTAG HCISRDLYQ VVLGEYNLAV<br>KEGPEQVIPI NSEELFVHPL WNRSCVACGN DIALIKLSRS AQLGDAVQLA SLPPAGDILP NKTPCYITGW<br>GRLYTNGPLP DKLQARLPV VDYKHCSRWN WWGSTVKKTM VCAGGYIRSG CNGDSGGPLN CPTEDGGWQV<br>HGVTSFVSFA GCNFIWKPTV FTRVSAFIDW IEETIASH                                                                                                      |
| Applicable Applications for ELA3A recombinant protein | IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Endotoxin                                             | <1.0EU per 1ug (determined by the LAL method)                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Predicted Isoelectric Point                           | 6.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Expression System                                     | Prokaryotic expression                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Tag                                                   | two N-terminal Tags, His-tag and GST-tag                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Organism Species                                      | Homo sapiens (Human)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Fragment                                              | Ser16~His270                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Usage                                                 | Reconstitute in sterile PBS, pH7.2-pH7.4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Preparation and Storage                               | <b>Storage:</b><br>Avoid repeated freeze/thaw cycles.<br>Store at 2-8°C for one month.<br>Aliquot and store at -80°C for 12 months.<br><br><b>Stability Test:</b><br>The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |

### IMAGES



SDS-PAGE



Sequence

NCBI AND UNIPROT INFORMATION

|                  |                                                                                                                        |
|------------------|------------------------------------------------------------------------------------------------------------------------|
| Molecular Weight | Predicted Molecular Mass: 57.9kDa<br>Accurate Molecular Mass (KD): 58kDa as determined by SDS-PAGE redcuing conditions |
|------------------|------------------------------------------------------------------------------------------------------------------------|

**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/elastase-3a-recombinant-protein-e-coli-ip-immunoprecipitation-elisa-wb-western-blot-sds-page/143942>