

## Elastase 2 Recombinant Protein | ELA2 recombinant protein

Recombinant Elastase 2, Neutrophil (ELA2)

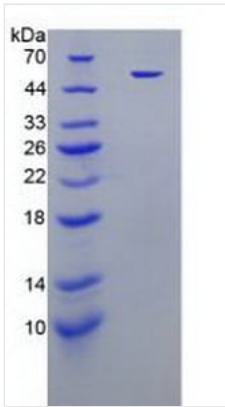
| CATALOG # | HOST   | REACTIVITY           | APPLICATIONS           |
|-----------|--------|----------------------|------------------------|
| AAA144130 | E.coli | Homo sapiens (Human) | Western Blot, SDS-Page |

### PRODUCT SYNONYMS

Elastase 2; Recombinant Elastase 2; Neutrophil (ELA2); ELA2 recombinant protein

### PRODUCT SPECIFICATIONS

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                 | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Reactivity                                           | Homo sapiens (Human)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Purity/Purification                                  | > 80%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Form/Format                                          | 20mM Tris, 150mM NaCl, pH8.0, containing 0.01% skl, 5% Trehalose.                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Concentration                                        | Original Concentration: 120ug/mL (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Applicable Applications for ELA2 recombinant protein | WB (Western Blot), SDS-PAGE, Immunogen, Positive Control                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Source                                               | Prokaryotic expression                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Residues                                             | Ile30~Gln247                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Tags                                                 | N-terminal His and GST Tag                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Subcellular Location                                 | Secreted                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Traits                                               | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Predicted isoelectric point                          | 8.7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Usage                                                | Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Preparation and Storage                              | <p><b>Storage:</b><br/>Avoid repeated freeze/thaw cycles.<br/>Store at 2-8 degree C for one month.<br/>Aliquot and store at -80 degree C for 12 months.</p> <p><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 degree 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.</p> |



Gene Sequence  
Gene Sequencing (extract)

SDS-PAGE

I VGRRRAPHAWPFMVSLLQRLGGHFCGATLIAPNFVMSAAHCVANVNVRARRVVLGAHNLSRREPTRQVFAVQRIKENGVDVNLNDIVILQNGSATINANVQVQLPAQGRRLNGVQCLAMGWLLGRNRGIASVLQELNVTVTSLCRRSNVCTLVGRQAGVCFGDSGSPLVCNGLIHGIASFVRGGCASGLYPDAPAPVAQFVNWIDSIIQ

Sequence

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                       |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 182023                                                                                                                |
| NCBI GeneID                      | 63036                                                                                                                 |
| Molecular Weight                 | Predicted Molecular Mass: 53.3kDa<br>Accurate Molecular Mass: 53&28kDa as determined by SDS-PAGE reducing conditions. |
| NCBI Official Full Name          | elastase 2                                                                                                            |
| NCBI Official Synonym Full Names | chymotrypsin-like elastase family, member 2A                                                                          |
| NCBI Official Symbol             | CELA2A                                                                                                                |
| NCBI Official Synonym Symbols    | PE-1; ELA2A                                                                                                           |
| NCBI Protein Information         | chymotrypsin-like elastase family member 2A                                                                           |
| UniProt Protein Name             | Chymotrypsin-like elastase family member 2A                                                                           |
| UniProt Gene Name                | CELA2A                                                                                                                |
| UniProt Synonym Gene Names       | ELA2A                                                                                                                 |
| UniProt Entry Name               | CEL2A_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.