

## Recombinant Human ELANE protein

**Cat. No.** ELANE-7584H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human ELANE protein(P08246)(30-267aa) was expressed in E.coli.                                                                                                                                                                                                                                        |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                            |
| <b>ProteinLength</b>    | 30-267aa                                                                                                                                                                                                                                                                                                          |
| <b>Form</b>             | If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.                                                                                |
| <b>Molecular Mass</b>   | 25.7 kDa                                                                                                                                                                                                                                                                                                          |
| <b>Purity</b>           | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                       |
| <b>Storage</b>          | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                    |
| <b>Reconstitution</b>   | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. |
| <b>AA Sequence</b>      | IVGGRRARPHAWPFMVSLQLRGGHFCGATLIAPNFVMSAAHCVANVNVRAVRVVL                                                                                                                                                                                                                                                           |

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GAHNLSRREPTRQVFAVQRIFENGYDPVNLLNDIVILQLNGSATINANVQVAQLPAQ  
 GRRLGNGVQCLAMGWGLLGRNRGIASVLQELNVTVVTSLCRRSNVCTLVRGRQAG  
 VCFGDSGSPLVCNGLIHGIAFVRGGCASGLYPDAFAPVAQFVNWIDSIIQRSEDP  
 CPHPRDPDPASRTH

## GENE INFORMATION

**Gene Name** ELANE elastase, neutrophil expressed [ Homo sapiens ]

**Official Symbol** ELANE

**Synonyms** ELANE; elastase, neutrophil expressed; ELA2, elastase 2, neutrophil; neutrophil elastase; HLE; HNE; leukocyte elastase; medullasin; NE; elastase-2; PMN elastase; elastase 2, neutrophil; human leukocyte elastase; polymorphonuclear elastase; bone marrow serine protease; granulocyte-derived elastase; GE; ELA2; SCN1; PMN-E;

**Gene ID** 1991

**mRNA Refseq** NM\_001972

**Protein Refseq** NP\_001963

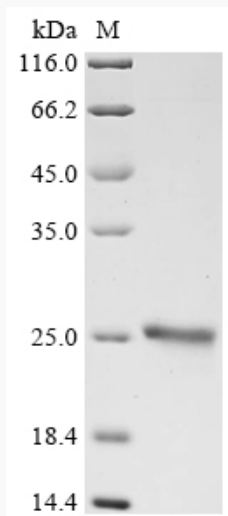
**MIM** 130130

**UniProt ID** P08246

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**SDS-PAGE**

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