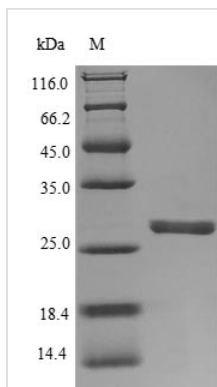




Recombinant Human Neutrophil elastase (ELANE)

Product Code	CSB-YP007587HU
Relevance	Modifies the functions of natural killer cells, monocytes and granulocytes. Inhibits C5a-dependent neutrophil enzyme release and chemotaxis.
Abbreviation	Recombinant Human ELANE protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P08246
Alias	Bone marrow serine protease;Elastase-2Human leukocyte elastase ;HLEMedullasin;PMN elastase
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	IVGGRRARPHAWPFMVSLQLRGGHFCGATLIAPNFVMSAAHCVANVNVRAVR VVLGAHNLSRREPTRQVFVAVQRIFENGYPVNLLNDIVILQLNGSATINANVQV AQLPAQGRRLGNGVQCLAMGWLLGRNRGASVLQELNVTVVTSLCRRSNV CTLVRGRQAGVCFGDSGSPVLCNGLIHGIAFVRGGCASGLYPDAFAPVAQF VNWIDSIIQRSEDNPCPHPRDPDPASRTH
Research Area	Signal Transduction
Source	Yeast
Target Names	ELANE
Protein Names	Recommended name: Neutrophil elastase EC= 3.4.21.37 Alternative name(s): Bone marrow serine protease Elastase-2 Human leukocyte elastase Short name= HLE Medullasin PMN elastase
Expression Region	30-267aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	27.6kDa
Protein Length	Full Length of Mature Protein
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution

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. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.