

ELASTASE Active Protein | ELANE active protein

NATIVE HUMAN ELASTASE (NEUTROPHIL)

CATALOG # AAA50496	APPLICATIONS Functional Assay
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PRODUCT SYNONYMS

ELASTASE; NATIVE HUMAN ELASTASE (NEUTROPHIL); ELANE active protein

PRODUCT SPECIFICATIONS

Purity/Purification	>95% by SDS PAGE
Form/Format	Purified Purified protein from human neutrophils - liquid
Concentration	Approximate Protein Concentration: 1.0 mg/ml (varies by lot)
Sequence Length	267
Applicable Applications for ELANE active protein	FA (Functional Assay)
Buffer Solution	50mM sodium acetate, pH 5.5 150mM sodium chloride
Activity	>20 U/mg protein 1 unit hydrolyzes one umole per minute of MeO-Suc-Ala-Ala-Pro-Val-pNA at 25 degree C, in 100mM Tris-Hcl, pH 7.5 with 500mM NaCl.
Target Species	Human
Preservative Stabilisers	None Present
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store at -20 degree C only. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the protein. Should this product contain a precipitate we recommend microcentrifugation before use.

ADDITIONAL INFORMATION

Related Product Information for ELANE active protein	Human Elastase is a 28.5kDa serine protease that has been purified from human neutrophils. Elastase is also present in the pancreas, leucocytes and serum.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4503549
NCBI GeneID	1991
NCBI Accession #	NP_001963.1
NCBI GenBank Nucleotide #	NM_001972.2
UniProt Accession #	P08246; P09649; Q6B0D9; Q6LDP5
Molecular Weight	28.5 kDa

NCBI Official Full Name	neutrophil elastase preproprotein
NCBI Official Synonym Full Names	elastase, neutrophil expressed
NCBI Official Symbol	ELANE
NCBI Official Synonym Symbols	GE; NE; HLE; HNE; ELA2; SCN1; PMN-E
NCBI Protein Information	neutrophil elastase; PMN elastase; bone marrow serine protease; elastase 2, neutrophil; elastase-2; granulocyte-derived elastase; human leukocyte elastase; medullasin; polymorphonuclear elastase
UniProt Protein Name	Neutrophil elastase
UniProt Gene Name	ELANE
UniProt Synonym Gene Names	ELA2; HLE
UniProt Entry Name	ELNE_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.

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Online datasheet: <https://stage.aaabiotech.com/active-protein/elastase/50496>