

Recombinant Human Neutrophil elastase(ELANE)

Catalog No: #AP70268

Package Size: #AP70268-1 20ug #AP70268-2 100ug #AP70268-3 1mg

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Description

Product Name	Recombinant Human Neutrophil elastase(ELANE)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:30-267aaSequence Info:Full Length
Other Names	Bone marrow serine protease;Elastase-2;Human leukocyte elastase ;HLEMedullasin;PMN elastase
Accession No.	P08246
Calculated MW	52.6 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	IVGGRRARPHAWPFMVSLQLRGGHFCGATLIAPNFVMSAAHCVANVNVRAVRVVLGAHNLSRREPTRQVFAV QRIFENGYDPVNLNDIVILQLNGSATINANVQVAQLPAQGRRLGNGVQCLAMGWLLGRNRGIASVLQELNV TVVTSLCRRSNVCTLVRGRQAGVCFGDSGSPVLCNGLIHGIASFVRGGCASGLYPDAFAPVAQFVNWIDSIQ RSEDNPCPHRPDPDPASRTH
Formulation	Tris-based buffer50% glycerol
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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Modifies the functions of natural killer cells, monocytes and granulocytes. Inhibits C5a-dependent neutrophil enzyme release and chemotaxis.

References

The spectrum of ELANE mutations and their implications in severe congenital and cyclic neutropenia.Germeshausen M., Deerberg S., Peter Y., Reimer C., Kratz C.P., Ballmaier M.Hum. Mutat. 34:905-914(2013) Research Topic:Signal Transduction

Note: This product is for in vitro research use only and is not intended for use in humans or animals.