10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Elastase, Human Neutrophil recombinant protein
Leukocyte Elastase, ELA2
Catalog # PBV10371r

Specification

Elastase, Human Neutrophil recombinant protein - Product info

Primary Accession	P08246
Calculated MW	**29.5 kDa KDa**

Elastase, Human Neutrophil recombinant protein - Additional Info

Gene ID	**1991**
Gene Symbol	**ELANE**
Other Names	
Leukocyte Elastase, ELA2	
Source	**Human Neutrophil**
Assay&Purity	**SDS-PAGE; ≥95%**
Assay2&Purity2	**HPLC;**
Recombinant	**No**
Application Notes	
Deionized H_2O	

Format
Lyophilized protein

Storage
-20°C; Salt- free lyophilized solid

Elastase, Human Neutrophil recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Elastase, Human Neutrophil recombinant protein - Images

Elastase, Human Neutrophil recombinant protein - Background

Elastase, like trypsin and chymotrypsin, is a serine protease that also hydrolyses amides and esters. It is produced in the pancreas as an inactive zymogen, proelastase, and activated in the duodenum by trypsin. Elastase is distinctive in that it acts upon elastin.This enzyme degrades

elastin, collagen, and proteoglycan and has been implicated in the development of pulmonary emphesema and rheumatoid arthritis.

Elastase, Human Neutrophil recombinant protein - References

Nakamura H.,et al.Nucleic Acids Res. 15:9601-9601(1987).
Takahashi H.,et al.J. Biol. Chem. 263:14739-14747(1988).
Farley D.,et al.Biol. Chem. Hoppe-Seyler 370:737-744(1989).
Okano K.,et al.Biochem. Biophys. Res. Commun. 167:1326-1332(1990).
Okano K.,et al.J. Biochem. 102:13-16(1987).