

Native Human Neutrophil Elastase (ELA-2)

Cat. No. ELANE-8236H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human Neutrophil Elastase (ELA-2) was purified from Human Neutrophils.
Species	Human
Source	Human Neutrophil
Description	Human Neutrophils, also known as neutrophilic polymorphonuclear leukocytes, are the major class of white blood cell in human peripheral blood. Human Neutrophil(s), have a multilobed nucleus and neutrophilic granules. Neutrophil(s) are phagocytes and have an important role in engulfing and killing extracellular pathogens.
Form	Lyophilized from 50 mM acetate buffer
Purity	>95% by SDS-PAGE
Unit Definition	One unit will hydrolyze one micromole of Methoxy succinyl-alanine-alanine-proline-valine-p-nitroanilide per minute at 37 °C and pH 7.5.
Stability	2 years

GENE INFORMATION

Gene Name	ELANE elastase, neutrophil expressed [Homo sapiens]
Official Symbol	ELANE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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 se
Gene ID	1991
mRNA Refseq	NM_001972
Protein Refseq	NP_001963
MIM	130130
UniProt ID	P08246
Chromosome Location	19p13.3
Pathway	Activation of Matrix Metalloproteinases, organism-specific biosystem; C-MYB transcription factor network, organism-specific biosystem; Degradation of the extracellular matrix, organism-specific biosystem; Extracellular matrix organization, organism-specific biosystem; Systemic lupus erythematosus, organism-specific biosystem; Systemic lupus erythematosus, conserved biosystem; Transcriptional misregulation in cancer, organism-specific biosystem;
Function	bacterial cell surface binding; cytokine binding; endopeptidase activity; heparin binding; peptidase activity; protease binding; protein binding; serine-type endopeptidase activity;