

CERTIFICATE OF ANALYSIS

PRODUCT NAME:	Neutrophil Elastase Human
ACTIVITY:	>10 u/ml @ 37C
CAT. NO:	I342-40
CONTAMINANTS:	No detectable amounts of Cathepsin G or MPO
EC NO:	3.4.21.37
EXPIRATION:	1 year
FORM:	50 mM sodium acetate, pH 5.5, 0.6 M sodium chloride
PROTEIN:	Typically from 0.2 to 1.5 mg/ml
PURITY:	> 96% by SDS Page
SOURCE:	Human Neutrophil
STORAGE:	2-8 C
SYNONYMS:	ELA-2, Elastase
UNSPSC CODE:	51131907

High Purity Human Neutrophil Elastase UNIT DEFINITION: One unit will hydrolyze one micromole of Methoxy succinyl-alanine-alanine-proline-valine-p-nitroanilide per minute at 37C and pH 7.5

The neutrophil form of elastase is 218 amino acids long, with two asparagine-linked carbohydrate chains.

Human Neutrophil elastase research: Neutrophil elastase and cancer.Human Neutrophil elastase ref:Surgical Oncology, 22 February 2007

Human Neutrophil elastase research: Association of plasma neutrophil elastase levels with other inflammatory mediators and clinical features in adult patients with moderate and severe pneumonia.Human Neutrophil elastase ref:

Respiratory Medicine, 12 February 2007/elastase

Human Neutrophil elastase research: Myocardial protection and neutrophil elastase inhibitor: Additive effect of the sivelestat on reperfusion injury.Human Neutrophil elastase ref:

Journal of Molecular and Cellular Cardiology, In Press, Corrected Proof, Available online 8 May 2007/elastase