

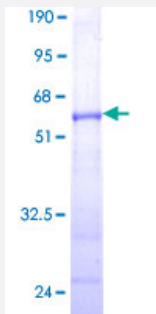
Full-Length

## ELA3A (Human) Recombinant Protein (P01)

Catalog # H00010136-P01

Size 25 ug, 10 ug

### Applications



### Specification

#### Product Description

Human ELA3A full-length ORF ( AAH07028, 16 a.a. - 270 a.a.) recombinant protein with GST-tag at N-terminal.

#### Sequence

SGYGPPSSHSSSRVHGEDAVPYSWPWQVSLQYEKSGSFYHTCGGSLIAPDWVVTAGHCISRD  
LTYQVVLGEYNLAVKEGPEQVIPINSEELFVHPLWNRSCVACGNDIALIKLSRSAQLGDAVQLASL  
PPAGDILPNKTPCYITGWGRLYTNGPLPDKLQQARLPVVDYKHCSRWNWWGSTVKKTMVCAGG  
YIRSGCNGDSGGPLNCPTEDGGWQVHGVTSFVSGFGCNFMKPTVFTRVSAFIDWIEETIASH

#### Host

Wheat Germ (in vitro)

#### Theoretical MW (kDa)

53.79

#### Interspecies Antigen Sequence

Mouse (72)

#### Preparation Method

[in vitro wheat germ expression system](#)

#### Purification

Glutathione Sepharose 4 Fast Flow

#### Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

#### Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

#### Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

## Note

Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — ELA3A

Entrez GeneID [10136](#)

GeneBank Accession# [BC007028](#)

Protein Accession# [AAH07028](#)

Gene Name ELA3A

Gene Alias ELA3

Gene Description elastase 3A, pancreatic

Gene Ontology [Hyperlink](#)

**Gene Summary** Elastases form a subfamily of serine proteases that hydrolyze many proteins in addition to elastin. Humans have six elastase genes which encode the structurally similar proteins elastase 1, 2, 2A, 2B, 3A, and 3B. Unlike other elastases, elastase 3A has little elastolytic activity. Like most of the human elastases, elastase 3A is secreted from the pancreas as a zymogen and, like other serine proteases such as trypsin, chymotrypsin and kallikrein, it has a digestive function in the intestine. Elastase 3A preferentially cleaves proteins after alanine residues. Elastase 3A may also function in the intestinal transport and metabolism of cholesterol. Both elastase 3A and elastase 3B have been referred to as protease E and as elastase 1. [provided by RefSeq]

**Other Designations** OTTHUMP00000002835|elastase 1|protease E