

Recombinant Full Length Human CELA3A Protein, GST-tagged

Cat. No. CELA3A-4328HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ELA3A full-length ORF (AAH07028, 16 a.a. - 270 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	16-270 amino acids
Description	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, Jul 2008]
Molecular Mass	53.79 kDa
AA Sequence	SGYGPPSSHSSSRVHGEDAVPYSWPWQVSLQYEKSGSFYHTCGGSLIAPDWVVT AGHCISRDLTYQVVLGEYNLAVKEGPEQVIPINSEELFVHPLWNRSCVACGNDIALIK LSRSAQLGDAVQLASLPPAGDILPNKTPCYITGWGRLYTNGPLPDKLQQARLPVVDY

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KHCSRWNWWGSTVKKTMVCAGGYIRSGCNGDSGGPLNCPTEDGGWQVHGVTSF
VSGFGCNFIWKPTVFTRVSAFIDWIEETIASH

Applications

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

Notes

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

Storage

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

Storage Buffer

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

GENE INFORMATION

Gene Name

CELA3A chymotrypsin like elastase family member 3A [Homo sapiens (human)]

Official Symbol

CELA3A

Synonyms

CELA3A; chymotrypsin like elastase family member 3A; Chymotrypsin Like Elastase Family Member 3A; Protease E; Elastase 3A, Pancreatic; Elastase IIIA; Elastase-3A; ELA3A; ELA3; Chymotrypsin-Like Elastase Family, Member 3A; Chymotrypsin-Like Elastase Family Member 3A; Elastase 3A, Pancreatic (Protease E); EC 3.4.21.70; Elastase 1; EC 3.4.21; chymotrypsin-like elastase family member 3A; elastase 1; elastase 3A, pancreatic; elastase IIIA; elastase-3A; protease E

Gene ID

10136

mRNA Refseq

NM_005747

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Protein Refseq	NP_005738
MIM	618693
UniProt ID	P09093

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