

Recombinant Human CELA3A Protein, GST-tagged

Cat. No. CELA3A-3224H **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	Wheat Germ
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 LSRSAQLGDAVQLASLPPAGDILPNKTPCYITGWGRLYTNGPLPKLQQARLPVVDY KHCSRWNWWGSTVKKTMVCAGGYIRSGCNGDSGGPLNCPTEDGGWQVHGVTSF

 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

	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
Protein Refseq	NP_005738

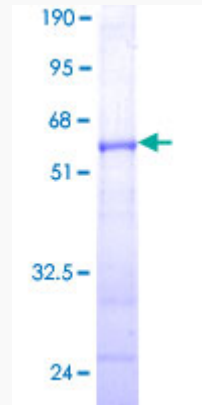
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UniProt ID

P09093

**Quality Control
Testing**

12.5% SDS-PAGE Stained with Coomassie Blue.

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