

Recombinant Full Length Human CELA3B Protein, GST-tagged

Cat. No. CELA3B-650HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human CELA3B(1 a.a. - 270 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	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 3B has little elastolytic activity. Like most of the human elastases, elastase 3B 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 3B preferentially cleaves proteins after alanine residues. Elastase 3B 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, and excretion of this protein in fecal material is frequently used as a measure of pancreatic function in clinical assays.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	55.44 kDa

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AA Sequence	MMLRLLSSPL LVAVASGYGP PSSRPSSRVV NGEDAVPYSW PWQVSLQYEK SGSFYHTCGG SLIAPDWVVT AGHCISSSWT YQVVLGEYDR AVKEGPEQVI PINSGDLFVH PLWNRSCVAC GNDIALIKLS RSAQLGDAVQ LASLPPAGDI LPNETPCYIT GWGRLYTNGP LPDKLQEALL PVVDYEHCSR WNWWGSSVKK TMVCAGGDIR SGCNGDSGGP LNCPTEDGGW QVHGVTSFVS AFGCNTRRKP TVFTRVSAFI DWIEETIASH
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
GENE INFORMATION	
Gene Name	CELA3B chymotrypsin-like elastase family, member 3B [Homo sapiens]
Official Symbol	CELA3B
Synonyms	CELA3B; chymotrypsin-like elastase family, member 3B; ELA3B, elastase 3B, pancreatic; chymotrypsin-like elastase family member 3B; CBPP; cholesterol binding pancreatic protease; elastase 1; pancreatic endopeptidase E; proteinase E; protease E; elastase-3B; elastase IIIB; fecal elastase 1; pancreatic elastase 1; elastase 3B, pancreatic; cholesterol-binding pancreatic protease; E1; EL-1; ELA3B
Gene ID	23436
mRNA Refseq	NM_007352
Protein Refseq	NP_031378
MIM	618694

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