

Recombinant Full Length Human CELA1 Protein, GST-tagged

Cat. No. CELA1-4306HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ELA1 full-length ORF (NP_001962.3, 1 a.a. - 258 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	258 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, pancreatic elastase 1 is not expressed in the pancreas. To date, elastase 1 expression has only been detected in skin keratinocytes. Clinical literature that describes human elastase 1 activity in the pancreas or fecal material is actually referring to chymotrypsin-like elastase family, member 3B. [provided by RefSeq, May 2009]
Molecular Mass	54.2 kDa
AA Sequence	MLVLYGHSTQDLPETNARVVGGTEAGRNSWPSQISLQYRSGGSRYHTCGGTLIRQ NWVMTAAHCVDYQKTFRVVAGDHNLSQNDGTEQYVSVQKIVVHPYWNSDNVAAG YDIALLRLAQSVTLNSYVQLGVLPQEGAILANNSPCYITGWGKTKTNGQLAQTLLQQA YLPSVDYAICSSSSYWGSTVKNTMVCAGGDGVRSGCQGDSSGGPLHCLVNGKYSV HGVTSFVSSRGCNVS RKPTVFTQVSAYISWINNVIASN

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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	CELA1 chymotrypsin like elastase family member 1 [Homo sapiens (human)]
Official Symbol	CELA1
Synonyms	CELA1; chymotrypsin like elastase family member 1; Chymotrypsin Like Elastase Family Member 1; Elastase 1, Pancreatic; Pancreatic Elastase 1; EC 3.4.21.36; Elastase-1; ELA1; Chymotrypsin-Like Elastase Family, Member 1; Chymotrypsin-Like Elastase Family Member 1; EC 3.4.21; chymotrypsin-like elastase family member 1; elastase 1, pancreatic; elastase-1; pancreatic elastase 1; EC 3.4.21.36
Gene ID	1990
mRNA Refseq	NM_001971
Protein Refseq	NP_001962
MIM	130120

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UniProt ID

Q9UNI1

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