

Recombinant Human CELA1 Protein, His tagged

Cat. No. CELA1-002H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CELA1 Protein (V19-N258) with His tag was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	19-258 aa
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.
Form	Sterile PBS, pH7.4, 0.1% SKL
Molecular Mass	27 kDa
AASequence	MHHHHHHHHHHVVGTEAGRNSWPSQISLQYRSGGSRYHTCGGTLIRQNWVMTA AHCVDYQKTRFVAGDHNLSQNDGTEQYVSVQKIVVHPYWNSDNVAAGYDIALRL AQSVTLNSYVQLGVLPQEGAILANNSPCYITGWGKTKTNGQLAQLQQAYLPSVDY AICSSSSYWGSTVKNTMVCAGGDGVRSGCQGDSSGGPLHCLVNGKYSVHGVTSFV

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SSRGCNVS RKPTVFTQVSAYISWINNVIASN

Endotoxin <1 EU/μg by LAL

Purity >90% by SDS-PAGE

Storage Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Concentration 1 mg/mL by BCA

GENE INFORMATION

Gene Name CELA1 chymotrypsin like elastase 1 [Homo sapiens (human)]

Official Symbol CELA1

Synonyms CELA1; chymotrypsin like elastase 1; ELA1; chymotrypsin-like elastase family member 1; 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

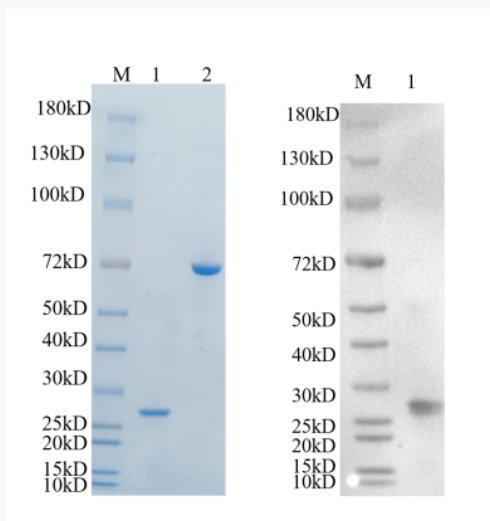
UniProt ID Q9UNI1

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SDS-PAGE and WB



Reducing 4%-20% SDS-PAGE (CBB stained) and WB (Anti-His Mouse Monoclonal antibody) analysis profiles of purified CELA1. 1. CELA1: 1 μ g 2. BSA: 1 μ g

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