

Recombinant Human CELA3B, His-tagged

Cat. No. CELA3B-65H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Chymotrypsin-Like Elastase Family Member 3B/CELA3B is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Val29-His270) of Human CELA3B fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	29-270 a.a.
Description	Chymotrypsin-Like Elastase Family Member 3B (CELA3B) is an enzyme that belongs to the peptidase S1 family of Elastase subfamily. CELA3B contains one peptidase S1 domain. CELA3B is expressed in the pancreas, but it is not detected in keratinocytes. CELA3B is secreted from the pancreas as a zymogen. CELA3B is an efficient protease with alanine specificity but only little elastolytic activity. CELA3B has a digestive function in the intestine. CELA3B preferentially cleaves proteins after alanine residues. CELA3B may also function in the intestinal transport and metabolism of cholesterol.
AA Sequence	VVNGEDAVPYSWPWQVSLQYEKSGSFYHTCGGSLIAPDWVVTAGHCISSSWTYQV VLGEYDRAVK EGPEQVIPINSGDLFVHPLWNRSCVACGN DIALIKLSRSAQLGDAVQ LASLPPAGDILPNETPCY ITGWGRLYTNGPLPKLQEALLPVVDYEHCSRWNWWG SSVKKTMVCAGGDIRSGCNGDSSGGPLNC PTEDGGWQVHGVTSFVSAFGCNTRRK

 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

PTVFTRVSAFIDWIEETIASHVDHHHHHH

Endotoxin Less than 0.1 ng/μg (1 IEU/μg).

Purity Greater than 95% as determined by reducing SDS-PAGE.

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

UniProt ID P08861

Chromosome Location 1p36.12

Pathway Pancreatic secretion, organism-specific biosystem; Pancreatic secretion, conserved biosystem; Protein digestion and absorption, organism-specific biosystem; Protein

 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



digestion and absorption, conserved biosystem;

Function

peptidase activity; serine-type endopeptidase activity;

 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