

Recombinant Human CELA3A Protein (inactive variant S217A, AA 16-270), C-His-Tagged

Cat. No. CELA3A-29H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CELA3A Protein (inactive variant S217A, AA 16-270) with a C-His tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	AA 16-270
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.
Form	Liquid
AA Sequence	MSGYGPPSSHSSSRVVHGEDAVPYSWPWQVSLQYEKSGSFYHTCGGSLIAPDWV VTAGHCISRDLT YQVVLGEYNLAVKEGPEQVIPINSEELFVHPLWNRSCVACGNDIA LIKLSRSAQLGDAVQLASLPPAG DILPNKTPCYITGWGRLYTNGPLPDKLQQARLPV

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VDYKHCSRWNWWGSTVKKTMVCAGGYIRSGC NGDAGGPLNCPTEDGGWQVHG
VTSFVSAFGCNFIWKPTVFTRVSAFIDWIEETIASHVLVPRGSAAALE

Purity > 90% as determined by SDS-PAGE

Storage Stored and shipped at -80 centigrade

Storage Buffer PBS, pH 7.4

GENE INFORMATION

Gene Name CELA3A chymotrypsin-like elastase family, member 3A [Homo sapiens]

Official Symbol CELA3A

Synonyms CELA3A; chymotrypsin-like elastase family, member 3A; ELA3A, elastase 3A, pancreatic , elastase 3A, pancreatic (protease E); chymotrypsin-like elastase family member 3A; ELA3; protease E; elastase 1; elastase-3A; elastase IIIA; elastase 3A, pancreatic; ELA3A

Gene ID 10136

mRNA Refseq NM_005747

Protein Refseq NP_005738

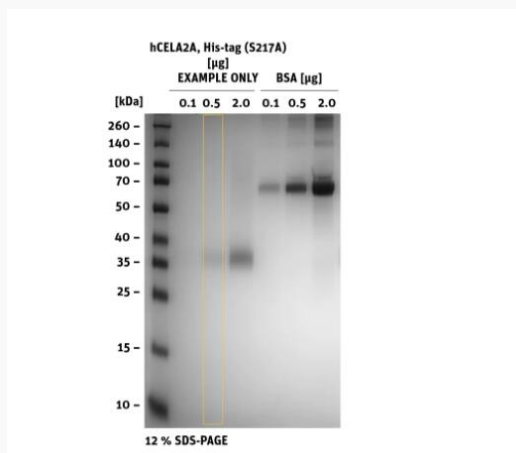
UniProt ID P09093

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SDS-PAGE



Histogram of marked lane in gel picture

