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Datasheet for ABIN1691407

## Elastase 3A Protein (ELA3A) (AA 16-270) (His tag)

### Overview

Quantity:	50 µg
Target:	Elastase 3A (ELA3A)
Protein Characteristics:	AA 16-270
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Elastase 3A protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human Chymotrypsin-Like Elastase Family Member 3A/CELA3A (C-6His)
Sequence:	SGYGPPSSHS SSRVHGEDA VPYSWPWQVS LQYEKSGSFY HTCGGSLIAP DWVVTAGHCI SRDLTYQVVL GEYNLAVKEG PEQVIPINSE ELFVHPLWNR SCVACGNDIA LIKLSRSAQL GDAVQLASLP PAGDILPNKT PCYITGWGRL YTNGLPLDKL QQARLPVVDY KHCSRWNWWG STVKKTMVCA GGYIRSGCNG DSGGPLNCPT EDGGWQVHGV TSFVSGFGCN FIWKPTVFTR VSAFIDWIEE TIASHVDHHH HHH
Characteristics:	Recombinant Human Chymotrypsin-Like Elastase Family Member 3A/CELA3A is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Ser16-His270) of Human CELA3A fused with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

## Target Details

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Target:	Elastase 3A (ELA3A)
Alternative Name:	CELA3A ( <a href="#">ELA3A Products</a> )
Sub Type:	Fusionprotein
Background:	<p>Chymotrypsin-Like Elastase Family Member 3A (CELA3A) is an enzyme that contains one peptidase S1 domain. ELA3A belongs to the peptidase S1 family of the Elastase subfamily. ELA3A 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. ELA3A may also function in the intestinal transport and metabolism of cholesterol. ELA3A is efficient protease with alanine specificity but only little elastolytic activity. ELA3A preferentially cleaves proteins after alanine residues.</p> <p>Alternative Names: Chymotrypsin-Like Elastase Family Member 3A, Elastase IIIA, Elastase-3A, Protease E, CELA3A, ELA3, ELA3A</p>
Molecular Weight:	28.9 kDa
UniProt:	<a href="#">P09093</a>

## Application Details

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Restrictions:	For Research Use only
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## Handling

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Format:	Liquid
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH<sub>2</sub>O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 150 mM NaCl, 10 % Glycerol, pH 7.5.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	-80 °C
Storage Comment:	<p>Store at &lt; -20°C, stable for 6 months after receipt.</p> <p>Please minimize freeze-thaw cycles.</p>
Expiry Date:	6 months