

Product datasheet for **TP724820**

Elastase 3A (CELA3A) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human CELA3A(C-His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Ser16-His270
Tag:	C-6His
Buffer:	Supplied as a 0.2 um filtered solution of 20mM Tris-HCl, 150mM NaCl, 10%Glycerol, pH7.5
Note:	Recombinant Human Chymotrypsin-Like Elastase Family Member 3A is produced by our Mammalian expression system and the target gene encoding Ser16-His270 is expressed with a 6His tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	10136
UniProt ID:	P09093
Summary:	Chymotrypsin-Like Elastase Family Member 3A (CELA3A) is an enzyme that belongs to the subfamily of serine proteases. Serine proteases hydrolyze many proteins in addition to elastin. ELA3A is secreted from the pancreas as a zymogen. Humans have six elastase genes that encode the structurally similar proteins elastase 1, 2, 2A, 2B, 3A, and 3B. Unlike other elastases, ELA3A has little elastolytic activity. However, ELA3A is an efficient protease that preferentially cleaves proteins after alanine residues. Elastase 3A may also engage 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.



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