



Recombinant Protein Technical Manual

Recombinant Human CELA3A Protein (His Tag)

RPES0585

Product Data:

Product SKU: RPES0585

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P09093

Protein Information:

Molecular Mass: 28.9 kDa

AP Molecular Mass: 31 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

Formulation: Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl, 10% Glycerol, pH 7.5.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Chymotrypsin-Like Elastase Family Member 3A; Elastase IIIA; Elastase-3A; Protease E; CELA3A; ELA3; ELA3A

Immunogen Information:

Sequence: Ser16-His270

Background:

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.