Recombinant Mouse Cela2a protein, His & T7-tagged

Cat. No. Cela2a-1161M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Cela2a aa. (Cys17~Asn271 (Accession # P05208) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Cys17~Asn271
Description	This gene encodes a serine protease enzyme that hydrolyzes elastin. This gene is highly expressed in the pancreatic acinar cells where the encoded preproprotein undergoes processing including signal peptide cleavage to generate an inactive zymogen. The removal of N-terminal activation peptide from the zymogen by trypsin generates active elastase enzyme. This gene is also expressed in the mouse epidermis where it participates in pro-filaggrin processing.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 31.0kDa.
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	>90%
Characteristic	The isoelectric point is 8.8.

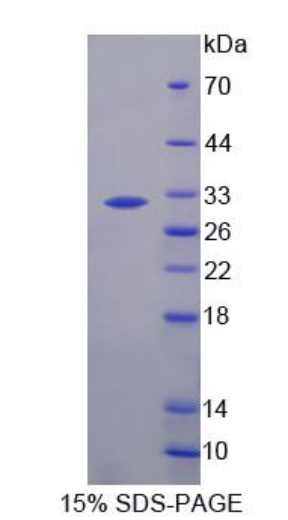
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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	Cela2a chymotrypsin-like elastase family, member 2A [Mus musculus (house mouse)]
Official Symbol	Cela2a
Synonyms	Cela2a; chymotrypsin-like elastase family, member 2A; Ela2; Ela-2; Ela2a; chymotrypsin-like elastase family member 2A; elastase 2A
Gene ID	13706
mRNA Refseq	NM_007919.3
Protein Refseq	NP_031945.1

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UniProt ID	P05208
SDS-PAGE	

15% SDS-PAGE

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