

Recombinant Rat Cela2a Protein, His-tagged

Cat. No. Cela2a-1273R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Cela2a Protein (Cys17-Asn271) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Cys17-Asn271
Description	Predicted to enable serine-type endopeptidase activity. Predicted to be involved in several processes, including insulin catabolic process; regulation of insulin secretion; and regulation of platelet aggregation. Predicted to act upstream of or within establishment of skin barrier. Predicted to be located in extracellular region and keratohyalin granule. Predicted to be active in extracellular space. Human ortholog(s) of this gene implicated in abdominal obesity-metabolic syndrome 4. Orthologous to several human genes including CELA2A (chymotrypsin like elastase 2A).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 31 kDa Accurate Molecular Mass: 31 kDa
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.
GENE INFORMATION	
Gene Name	Cela2a chymotrypsin like elastase 2A [Rattus norvegicus (Norway rat)]
Official Symbol	Cela2a
Synonyms	Cela2a; chymotrypsin like elastase 2A; Ela2; ELAII; Ela2a; Elaii1; chymotrypsin-like elastase family member 2A; Elastase 2, pancreatic; chymotrypsin-like elastase family, member 2A; elastase-2; elastase-2A; EC 3.4.21.71
Gene ID	24332
mRNA Refseq	NM_012553
Protein Refseq	NP_036685
UniProt ID	P00774

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