

Active Native Rat pancreatic elastase

Cat. No. Cela1 -71R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Chromatographically prepared from the euglobin fraction of pancreas by the method of Lewis et al. then twice crystallized. Supplied as salt free lyophilized powder.
Species	Rat
Source	Rat pancreas
Form	Lyophilized powder
Bio-activity	2.0 U/mg
Molecular Mass	25,700
Purity	>95% by SDS-PAGE analysis
Unit Definition	One unit will hydrolyze 1 umole of Suc-Ala-Ala-Ala-pNA per minute at pH 8.8 and 37°C
Usage	For in vitro laboratory use only
Notes	Optimal experimental conditions and working dilutions must be determined by the end user. Sample concentration and volume are for example purposes only and do not necessarily represent the product that will be received. Please contact us for a current lot-specific product datasheet.

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Stability	The protein is stable 9-12 months when stored at 5°C and does not contain trypsin or chymotrypsin.
Storage	4°C
Storage Buffer	Salt free
Reconstitution	Reconstitute with 0.05M Na Acetate 0.2M NaCl pH 5.0 to 1 mg/ml or desired concentration, aliquot and freeze remaining portion.
Shipping	Cold pack

GENE INFORMATION

Gene Name	Cela1 chymotrypsin-like elastase family, member 1 [Rattus norvegicus]
Official Symbol	Cela1
Synonyms	CELA1; chymotrypsin-like elastase family, member 1; chymotrypsin-like elastase family member 1; elastase-1; elastase 1, pancreatic; Ela1; ELAI1; RATELAI1;
Gene ID	24331
mRNA Refseq	NM_012552
Protein Refseq	NP_036684
UniProt ID	P00773
Chromosome Location	7q36

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Function

metal ion binding; peptidase activity; serine-type endopeptidase activity;

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