

Active Native Porcine pancreatic elastase

Cat. No. CELA1-52P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Chromatographically prepared from the euglobin fraction of porcine pancreas by the method of Lewis et al. then twice crystallized. Supplied as a salt free lyophilized powder that is free of trypsin and chymotrypsin. 95percent pure by SDS-PAGE.
Species	Pig
Source	Porcine pancreas
Form	Lyophilized powder
Bio-activity	135 U/mg on substrate elastin-orcein (570 nm)
Molecular Mass	25,500
Purity	>95% by SDS-PAGE analysis
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.
Storage	4°C

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Storage Buffer	Salt free
Reconstitution	Reconstitute with 0.05M Na Acetate 0.1M NaCl pH 5.0 to 1 mg/ml or desired concentration, aliquot and freeze remaining portion. Assay: 5-10 ug in 0.1M Tris pH 8.8 at 37 C containing 0.2mM Suc-(Al)3-pNA.
Shipping	Cold pack
GENE INFORMATION	
Gene Name	CELA1 chymotrypsin-like elastase family, member 1 [<i>Sus scrofa</i>]
Official Symbol	CELA1
Synonyms	ELA1; ELS1; Elastase-1; chymotrypsin-like elastase family member 1; pancreatic elastase I
Gene ID	396766
mRNA Refseq	NP_998988
Protein Refseq	NM_213823
UniProt ID	P00772
Chromosome Location	5; 5
Function	metal ion binding; protein binding; serine-type endopeptidase activity

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