

## CELA1

### Native Porcine Pancreatic Elastase Suspension

<b>Catalog No.</b>	CRP272	<b>Quantity:</b>	50 mg
<b>Alternate Names:</b>	Chymotrypsin-like elastase family member 1, Elastase-1		
<b>Description:</b>	Porcine Pancreatic Elastase is chromatographically prepared from the euglobin fraction of porcine pancreas by the method of Lewis et al. then 2X crystallized and assayed using a method adapted from Feinstein et al., Biochem. Biophys. Res. Comm.,50,1020(1973). Supplied as aqueous suspension that is free of trypsin.		
<b>UniProt ID:</b>	P00772		
<b>EC Number:</b>	EC 3.4.21.36		
<b>Source:</b>	Porcine pancreatin from pancreas		
<b>Molecular Weight:</b>	25.5 kDa		
<b>Formulation:</b>	Aqueous suspension containing 0.01% sodium azide		
<b>Purity:</b>	> 90% (biuret) Does not contain trypsin or chymotrypsin		
<b>Concentration:</b>	Lot specific		
<b>Trypsin:</b>	None detected using N $\alpha$ -Benzoyl-L-arginine ethyl ester (BAEE) substrate		
<b>Chymotrypsin:</b>	None detected using N-Acetyl-L-tyrosine ethyl ester (ATEE) substrate		
<b>Specific Activity:</b>	60-80 units/mg, using substrate elastin-orcein, defined as 1 unit will solubilize 1 mg of elastin in 20 minutes at pH 8.8 and 37°C.  $\geq$ 4 units/mg, using substrate Suc-(Al) <sub>3</sub> -pNA, defined as 1 unit will hydrolyze 1 $\mu$ mole of the substrate Suc-Ala-Ala-Ala-pNA per minute at pH 8.3 and 25°C.		
<b>Applications:</b>	Used for the isolation of Type II lung cells.		
<b>Storage &amp; Stability:</b>	Store at 2-8°C, <b>DO NOT FREEZE</b> .		
<b>Country of Origin:</b>	USA. Produced from animal source starting material of USDA-approved origin, collected in USDA-approved facilities or equivalent, inspected to be free of disease and suitable for export.		

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