

## Cela1 Native Rat Pancreatic Elastase

<b>Catalog No.</b>	CRP264B CRP264C	<b>Quantity:</b>	100 µg 500 µg
<b>Alternate Names:</b>	Ela1, ELAI1, RATELAI1, chymotrypsin-like elastase family, member 1		
<b>Description:</b>	Chromatographically prepared from the euglobin fraction of pancreas by the method of Lewis et al., then twice crystallized. <i>Lewis, U.J. et al. (1956) J. Biol. Chem. 22:705</i>		
<b>UniProt ID:</b>	P00773		
<b>Gene ID:</b>	24331		
<b>Source:</b>	Rat pancreas		
<b>Molecular Weight:</b>	25.7 kDa		
<b>Formulation:</b>	Lyophilized from a salt free buffer, without preservative.		
<b>Purity:</b>	>95% by SDS-PAGE analysis Does not contain trypsin or chymotrypsin.		
<b>Extinction Coefficient:</b>	$E^{0.1\%}_{280\text{nm}} = 0.985$		
<b>Assay:</b>	Prepare a 1 mg/ml solution in 50 mM NaOAc, 200 mM NaCl at pH 5. Use 5-10 ug in the assay buffer 100 mM Tris pH 8.8 at 37°C containing 0.2 mM Succinyl-Ala-Ala-Ala p-Nitroanilide,		
<b>Specific Activity:</b>	2.0 U/mg, defined as 1 unit will hydrolyze 1 µmole of Suc-Ala-Ala-Ala-pNA per minute at pH 8.8 and 37°C.		
<b>Reconstitution:</b>	<b>Centrifuge vial prior to opening.</b> Reconstitute with 0.05 M Na Acetate 0.2 M NaCl, pH 5.0 to 1 mg/ml or desired concentration, aliquot and freeze remaining portion.		
<b>Storage &amp; Stability:</b>	Stable for up to 1 year at 2-8°C. Store reconstituted protein in working aliquots at -80°C. <b>Avoid repeated freeze-thaw cycles.</b>		

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**Cell Sciences®**  
65 Parker Street  
Unit 11  
Newburyport, MA 01950

Toll Free: 888-769-1246  
Phone: 978-572-1070  
Fax: 978-992-0298

E-mail: [info@cellsciences.com](mailto:info@cellsciences.com)  
Website: [www.cellsciences.com](http://www.cellsciences.com)