

## Product datasheet

# Native rat Elastase-1 protein ab94946

### Description

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<b>Product name</b>	Native rat Elastase-1 protein
<b>Purity</b>	> 95 % SDS-PAGE. Chromatographically prepared from the euglobin fraction of pancreas, then twice crystallized.
<b>Expression system</b>	Native
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Native
<b>Species</b>	Rat

### Specifications

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Our [Abpromise guarantee](#) covers the use of **ab94946** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	SDS-PAGE Functional Studies
<b>Form</b>	Lyophilized
<b>Additional notes</b>	After reconstitution, aliquot and freeze remaining portion. 2.0 U/mg (One unit will hydrolyze 1 $\mu$ mole of Suc-Ala-Ala-Ala-pNA per minute at pH 8.8 and 37°C.) Assay: 5-10 $\mu$ g in 0.1M Tris pH 8.8 at 37°C containing 0.2mM Suc-(Al)3-pNA. This product was previously labelled as CELA1

### Preparation and Storage

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<b>Stability and Storage</b>	Shipped at 4°C. Store at +4°C. This product is an active protein and may elicit a biological response in vivo, handle with caution.
<b>Reconstitution</b>	Reconstitute with 0.05M Na Acetate 0.2M NaCl pH 5.0 to 1 mg/ml or desired concentration.

### General Info

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<b>Function</b>	Acts upon elastin.
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<b>Tissue specificity</b>	Skin; not expressed in pancreas.
<b>Sequence similarities</b>	Belongs to the peptidase S1 family. Elastase subfamily. Contains 1 peptidase S1 domain.
<b>Cellular localization</b>	Secreted.

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**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

### **Our Abpromise to you: Quality guaranteed and expert technical support**

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

### **Terms and conditions**

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