

Product datasheet

Recombinant Rat Profilin 1 protein ab207134

1 Image

Description

<b>Product name</b>	Recombinant Rat Profilin 1 protein	
<b>Purity</b>	> 95 % SDS-PAGE. ab207134 was purified using conventional chromatography techniques.	
<b>Expression system</b>	Escherichia coli	
<b>Accession</b>	<a href="#">P62963</a>	
<b>Protein length</b>	Full length protein	
<b>Animal free</b>	No	
<b>Nature</b>	Recombinant	
<b>Species</b>	Rat	
<b>Sequence</b>	MGSSHHHHHSSGLVPRGSHMGSHMAGWNAYIDSLMAD GTCQDAAIVGYK DSPSVWAAVPGKTFVSIPTAEVGVLVGKDRSSFFVNGLT LGGQKCSVIRD SLLQDGEFTMDLRTKSTGGAPTFNVTVTMTAKTLVLLMGK EGVHGGLINK KCYEMASHLRRSQY	
<b>Predicted molecular weight</b>	18 kDa including tags	
<b>Amino acids</b>	1 to 140	
<b>Tags</b>	His tag N-Terminus	
<b>Additional sequence information</b>	NP_071956.	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab207134** 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 Mass Spectrometry
<b>Mass spectrometry</b>	MALDI-TOF
<b>Form</b>	Liquid

Preparation and Storage

## Stability and Storage

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 7.40

Constituents: 89% PBS, 10% Glycerol, 0.02% DTT

## General Info

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### Function

Binds to actin and affects the structure of the cytoskeleton. At high concentrations, profilin prevents the polymerization of actin, whereas it enhances it at low concentrations. By binding to PIP2, it inhibits the formation of IP3 and DG.

### Sequence similarities

Belongs to the profilin family.

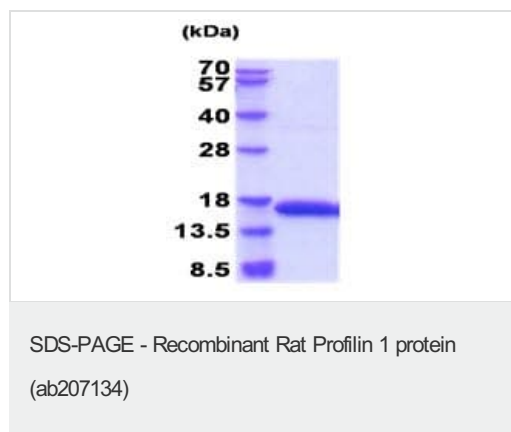
### Cellular localization

Cytoplasm > cytoskeleton.

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## Images

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15% SDS-PAGE analysis of 3 µg ab207134.

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

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