

Product datasheet

Recombinant Human alpha Actinin/ACTN1 protein ab207132

1 Image

Description

Product name	Recombinant Human alpha Actinin/ACTN1 protein	
Purity	> 95 % SDS-PAGE. ab207132 was purified using con	ventional chromatography techniques.
Expression system	Escherichia coli	
Accession	<u>P12814-3</u>	
Protein length	Protein fragment	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence		MGSSHHHHHHSSGLVPRGSHMGSEFMDHYDSQQTNDY MQPEEDWDRDLLL DPAWEKQQRKTFTAWCNSHLRKAGTQIENIEEDFRDGLK LMLLLEVISGE RLAKPERGKMRVHKISNVNKALDFIASKGVKLVSIGAEEIV DGNVKMTLG MIWTIILRFAIQDISVEETSAKEGLLLWCQRKTAPYKNVNIQN FHISWKD GLGFCALIHRHRPELIDYGKLRKDDPLTNLNTAFDVAEKYL DIPKMLDAE DIVGTARPDEKAIMTYVSSFYHAF
Predicted molecular weight	31 kDa including tags	
Amino acids	1 to 249	
Tags	His tag N-Terminus	
Additional sequence information	NP_001123476.	

Specifications

Our Abpromise guarantee covers the use of ab207132 in the following tested applications.

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

Applications

SDS-PAGE

Mass Spectrometry

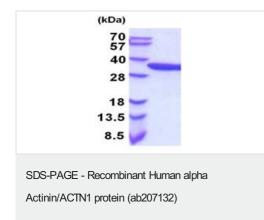
Mass spectrometry	MALDI-TOF	
Form	Liquid	
Additional notes	This product was previously labelled as alpha Actinin	

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 (glycerin, glycerine)
General Info	
Function	F-actin cross-linking protein which is thought to anchor actin to a variety of intracellular structures This is a bundling protein.
Sequence similarities	Belongs to the alpha-actinin family. Contains 1 actin-binding domain. Contains 2 CH (calponin-homology) domains. Contains 2 EF-hand domains. Contains 4 spectrin repeats.
Cellular localization	Cytoplasm > cytoskeleton. Cytoplasm > myofibril > sarcomere > Z line. Colocalizes with MYOZ2 and PPP3CA at the Z-line of heart and skeletal muscle.

Images

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15% SDS-PAGE analysis of 3 µg ab207132.

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

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