

Product datasheet

Recombinant Human alpha smooth muscle Actin protein ab134555

1 References 1 Image

Description

Product name	Recombinant Human alpha smooth muscle Actin protein		
Purity	> 85 % SDS-PAGE. ab134555 is purified using conventional chromatography techniques.		
Expression system	Escherichia coli		
Accession	<u>P62736</u>		
Protein length	Full length protein		
Animal free	No		
Nature	Recombinant		
Species	Human		
Sequence	MGSSHHHHHHSSGLVPRGSHMGSHMEEEDSTALVCDN GSG LCKAGFAGDD APRAVFPSIVGRPRHQGVMVGMGQKDSYVGDEAQS KRGI LTLKYPIEHGI ITNWDDMEKIWHHSFYNELRVAPEEHPTLLTEAPLNPKAN REKMTQIMFE TFNVPAMYVAIQAVLSLYASGR TTGMLDSGDGVTHNVPIY EGYALPHAI MRDLA GRDLTDYLMKILTERGYSFVTTAEREIVRDIKEKLC YVALDFEN EMATAASSSSLEKSYELPDGQVITIGNERFRCPETLFQPS FIGMESAGIH ETTYNSIMKCDIDIRKDLYANNVLSGGTTMYPGIADRMQKEI TALAPSTM KIKIAPPERKYSVWIGGSILASLSTFQQMWISKQEYDEAGP SVHRKCF		
Predicted molecular weight	44 kDa including tags		
Amino acids	3 to 377		
Tags	His tag N-Terminus		

Specifications

Our **Abpromise guarantee** covers the use of **ab134555** in the following tested applications.

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

Applications Mass Spectrometry

SDS-PAGE

Mass spectrometry MALDI-TOF

Form 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: 8.00

Constituents: 0.32% Tris HCl, 10% Glycerol (glycerin, glycerine), 0.88% Sodium chloride

General Info

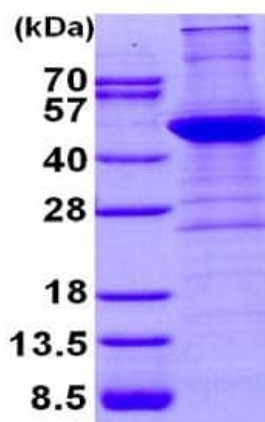
Function Actins are highly conserved proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells.

Involvement in disease Defects in ACTA2 are the cause of aortic aneurysm familial thoracic type 6 (AAT6) [MIM:611788]. AATs are characterized by permanent dilation of the thoracic aorta usually due to degenerative changes in the aortic wall. They are primarily associated with a characteristic histologic appearance known as 'medial necrosis' or 'Erdheim cystic medial necrosis' in which there is degeneration and fragmentation of elastic fibers, loss of smooth muscle cells, and an accumulation of basophilic ground substance.

Sequence similarities Belongs to the actin family.

Cellular localization Cytoplasm > cytoskeleton.

Images



15% SDS-PAGE analysis of 3 µg ab134555.

SDS-PAGE - Recombinant Human alpha smooth muscle Actin protein (ab134555)

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

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