abcam

Product datasheet

Recombinant Human ARPP-19 protein ab174428

1 Image

Description

Product name	Recombinant Human ARPP-19 protein
Purity	> 90 % SDS-PAGE. ab174428 is purified purified by using conventional chromatography techniques.
Expression system	Escherichia coli
Accession	P56211
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHH SSGLVPRGSH MGSMSAEVPE AASAEEQKEM EDKVTSPEKA EEAKLKARYP HLGQKPGGSD FLRKRLQKGQ KYFDSGDYNM AKAKMKNKQL PTAAPDKTEV TGDHIPTPQD LPQRKPSLVA SKLAG
Predicted molecular weight	15 kDa including tags
Amino acids	1 to 112
Tags	His tag N-Terminus
Additional sequence information	(NP_006619).

Specifications

Our Abpromise guarantee covers the use of **ab174428** 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	Previously labelled as ARP19.

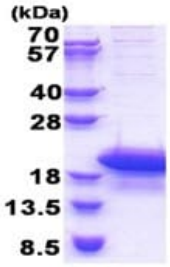
Preparation and Storage

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

General Info

Function	Protein phosphatase inhibitor that specifically inhibits protein phosphatase 2A (PP2A) during mitosis. When phosphorylated at Ser-62 during mitosis, specifically interacts with PPP2R2D (PR55-delta) and inhibits its activity, leading to inactivation of PP2A, an essential condition to keep cyclin-B1-CDK1 activity high during M phase. May indirectly enhance GAP-43 expression.
Sequence similarities	Belongs to the endosulfine family.
Post-translational modifications	Phosphorylation at Ser-62 by GWL during mitosis is essential for interaction with PPP2R2D (PR55-delta) and subsequent inactivation of PP2A (By similarity). Phosphorylated by PKA. Isoform ARPP-16 contains a N-acetylmethionine at position 1.
Cellular localization	Cytoplasm.

Images



SDS-PAGE - Recombinant Human ARPP-19 protein (ab174428)

SDS-PAGE analysis of ab174428 on 15% SDS-PAGE gel (3 µg)

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