

Datasheet for ABIN5853398
ARPP19 Protein (AA 1-112) (His tag)



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1 Image

Overview

Quantity:	100 µg
Target:	ARPP19
Protein Characteristics:	AA 1-112
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ARPP19 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MGSSHHHHHH SSSLVPRGSH MGMSAEVPE AASAEQKEM EDKVT SPEKA EEAKLKARYP HLGQKPGGSD FLRKRLQKGQ KYFDSGDYNM AKAKMKNKQL PTAAPDKTEV TGDHIPTPQD LPQRKPSLVA SKLAG
Purity:	> 90 % by SDS - PAGE

Target Details

Target:	ARPP19
Alternative Name:	ARPP19 (ARPP19 Products)
Background:	CAMP-regulated phosphoprotein 19, also known as ARPP19, is 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

Target Details

activity, leading to inactivation of PP2A, an essential condition to keep cyclin-B1-CDK1 activity high during M phase. This protein may indirectly enhance GAP-43 expression. Recombinant human ARPP19 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Molecular Weight: 14.7kDa (135aa) confirmed by MALDI-TOF

NCBI Accession: [NP_006619](#)

UniProt: [P56211](#)

Pathways: [Regulation of Carbohydrate Metabolic Process](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

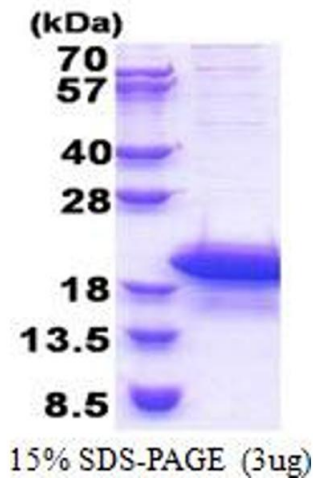
Format: Liquid

Concentration: 0.5 mg/mL

Buffer: Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10 % glycerol

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



SDS-PAGE

Image 1.