Datasheet for ABIN7479190

ARL2 Protein (AA 19-184, partial) (GST tag)

1 Image

Go to Product page

Overview

Quantity:	100 µg
Target:	ARL2
Protein Characteristics:	AA 19-184, partial
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ARL2 protein is labelled with GST tag.
Application:	ELISA

Product Details

Sequence:	LLMLGLDNAG KTTILKKFNG EDIDTISPTL GFNIKTLEHR GFKLNIWDVG GQKSLRSYWR NYFESTDGLI WVVDSADRQR MQDCQRELQS LLVEERLAGA TLLIFANKQD LPGALSSNAI REVLELDSIR SHHWCIQGCS AVTGENLLPG IDWLLDDISS RIFTAD
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalien cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	95 %

Target Details

Target:	ARL2
Alternative Name:	ADP-ribosylation factor-like protein 2 protein (ARL2 Products)
Background:	Small GTP-binding protein which cycles between an inactive GDP-bound and an active GTP-

Target Details

	bound form, and the rate of cycling is regulated by guanine nucleotide exchange factors (GEF) and GTPase-activating proteins (GAP). GTP-binding protein that does not act as an allosteric activator of the cholera toxin catalytic subunit. Regulates formation of new microtubules and centrosome integrity. Prevents the TBCD-induced microtubule destruction. Participates in association with TBCD, in the disassembly of the apical junction complexes. Antagonizes the effect of TBCD on epithelial cell detachment and tight and adherens junctions disassembly. Together with ARL2, plays a role in the nuclear translocation, retention and transcriptional activity of STAT3. Component of a regulated secretory pathway involved in Ca2+-dependent release of acetylcholine. Required for normal progress through the cell cycle.
Molecular Weight:	46.1 kD
UniProt:	P36404
Pathways:	Cell-Cell Junction Organization, Maintenance of Protein Location

Application Details

Comment:	The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modificated such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.
Restrictions:	For Research Use only

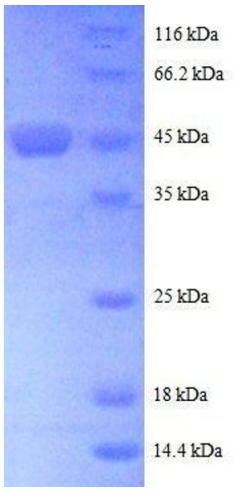
Handling

Format:	Lyophilized
Concentration:	0.2-2 mg/mL
Buffer:	Tris-based buffer, 50 % glycerol
Handling Advice:	Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week

Handling

Storage:	-20 °C
Storage Comment:	Store at -20 °C for extended storage, conserve at -20 °C or -80 °C

Images



SDS-PAGE

Image 1. ADP-Ribosylation Factor-Like 2 (ARL2) (AA 19-184), (partial) protein (GST tag)