

Datasheet for ABIN7479310

ARHGEF18 Protein (AA 159-551, partial) (GST tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	ARHGEF18
Protein Characteristics:	AA 159-551, partial
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ARHGEF18 protein is labelled with GST tag.
Application:	ELISA

Product Details

Sequence:	MTVSQKGGPQ PTPSPAGPGT QLGPITGEMD EADSAFLKFK QTADDLSLST SPNTESIFVE DPYTASLRSE IESDGHEFEA EWSLAVDAA YAKKQKREVV KRQDVLYELM QTEVHHVRTL KIMLKVYSRA LQEELQFSSK AIGRLFPCAD DLLETHSHFL ARLKERRQES LEEGSDRNYV IQKIGDLLVQ QFSGENGERM KEKYGVFCSG HNEAVSHYKL LLQQNKKFQN LIKKIGNFSI VRRLGVQECI LLVTQRITKY PVLVERIIQN TEAGTEDYED LTQALNLIKD IISQVDAKVS ECEKGQRLRE IAGKMDLKSS SKLKNGLTFR KEDMLQRLH LEGMLCWKTT SGRLKDILAI LLTDVLLLLQ EKDQKYVFAS VDSKPPVISL QKL
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	95 %

Target Details

Target:	ARHGEF18
Alternative Name:	Rho guanine nucleotide exchange factor 18 protein (ARHGEF18 Products)
Background:	Acts as guanine nucleotide exchange factor (GEF) for RhoA GTPases. May play a role in actin cytoskeleton reorganization in different tissues since its activation induces formation of actin stress fibers. Also act as a GEF for RAC1, inducing production of reactive oxygen species (ROS). Does not act as a GEF for CDC42. The G protein beta-gamma (Gbetagamma) subunits of heterotrimeric G proteins act as activators, explaining the integrated effects of LPA and other G-protein coupled receptor agonists on actin stress fiber formation, cell shape change and ROS production.
Molecular Weight:	71.9 kD
UniProt:	Q6ZSZ5
Pathways:	Neurotrophin Signaling Pathway

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 modified 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

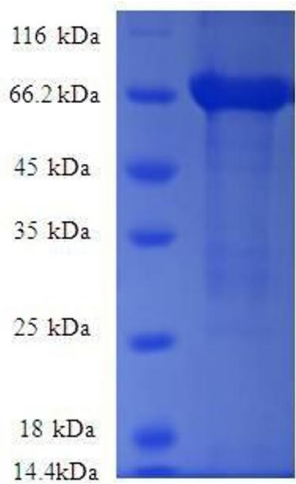
Handling

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. rho/rac Guanine Nucleotide Exchange Factor (GEF) 18 (ARHGEF18) (AA 159-551), (partial) protein (GST tag)