

Datasheet for ABIN7565057
ARHGEF7 Protein (AA 1-862) (His tag)



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Overview

Quantity:	1 mg
Target:	ARHGEF7
Protein Characteristics:	AA 1-862
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ARHGEF7 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Arhgef7 Protein expressed in mammalien cells.
Sequence:	<p>MNSAEQTVTW LITLGVLESP KKTISDPEVF LQASLKDGWV LCROLLERLLP GTIEKVYPEP RNESECLSNIREFLRACGAS LRLETFDAND LYQQQNFNKV LSSLVTLNKV TADIGLGSDS VCARPSSHRI KSFDLSGSQS SHSRTSKLLQ SQYRSLDMTD NTNSQLVVRA KFNFAQQTNE ELSFSGDVI HVTRVEEGW WEGTHNGRTG WFPSNYVREI KPSEKPVSPK SGTLSKPPKG FDTTAINKSY YNVVLQNILE TEHEYSKELQ SVLSTYLRPL QTSDKLSSAN TSYLMGNLEE ISSFQQLVQ SLEECTKSPE AQRVGGCFL SLMPQMRTLY LAYCANHPSA VSVLTHESED LGEFMETKGA SSPGILVLT GLSKPFMRD KYPTLLKELE RHMEDYHPDR QDIQKSMTAF KNLSAQCEV RKRKELELQI LPEIRSWEG DDIKTLGSVT YMSQVTIQCA GSEEKNERYL LLFPNLLLML SASPRMSGFI YQGKLPPTGM TITKLESEN HRNAFEISGS MIERILVSC SQQDLHEWVE HLQKQTKVTS VSNPTIKPHS VPSHTLPSPH LTPSSKHADS KPVALTPAYH TLPHPSHHGT PHTTISWGPL EPPKTPKPWS LSCLRPAPPL RPSAALCYKE DLSKSPKTMK</p>

Product Details

KLLPKRKPER KPSDEEFAVR KSTAALEEDA QILKVIEAYC TSAKTRQTLN STWQGTDLMH
NHVLADDDQS SLDSLGRSS LSRLEPSDLS EDSEYDSIWT AHSYRMGSAS RSRKESAPQV
LLPEEEKIIV EETKSNQTV IEEKSLVDTV YALKDEVQEL RQDNKKMKKS LEEQRARKD
LEKLVKVLK NMNDPAWDET NL **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

ARHGEF7

Alternative Name:

Arhgef7 ([ARHGEF7 Products](#))

Background:

Rho guanine nucleotide exchange factor 7 (Beta-Pix) (PAK-interacting exchange factor beta) (p85SPR),FUNCTION: Acts as a RAC1 guanine nucleotide exchange factor (GEF) and can induce membrane ruffling. May function as a positive regulator of apoptosis. Functions in cell migration, attachment and cell spreading. Promotes targeting of RAC1 to focal adhesions. Downstream of NMDA receptors and CaMKK-CaMK1 signaling cascade, promotes the formation of spines and synapses in hippocampal neurons (By similarity). {ECO:0000250, ECO:0000269|PubMed:17093062}.

Target Details

Molecular Weight:	97.1 kDa
UniProt:	Q9ES28
Pathways:	EGFR Signaling Pathway , Neurotrophin Signaling Pathway , EGFR Downregulation

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months