

Datasheet for ABIN7564954

ARHGEF25/GEFT Protein (AA 1-618) (His tag)



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Overview

Quantity:	1 mg
Target:	ARHGEF25/GEFT (ARHGEF25)
Protein Characteristics:	AA 1-618
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ARHGEF25/GEFT protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Arhgef25 Protein expressed in mammalian cells.
Sequence:	<p>MKPPDRPTPG RTDRILGVMG GMLRACAVPG QEGPPERDPL GPGSTKTESD CIEEDQTGQR</p> <p>EPEVLAWAPQ PESYSIAVSE GSMSASAVSG LAALSGPSSG LSSDPCSPIP PGPVTGLRRW</p> <p>LDHSKHCLSV ETEAESGQTG QCENWTLGPT LTTGQELPEL TLLTTLLEGP GDKAQPAEEE</p> <p>TLSQAPKNEE EQKKMALERS MFVLGELVET ERTYEDDLGQ IVEGYMATMA TQGVPESLRG</p> <p>RDRIVFGNIQ QIYEWHRDYF LQELQQCLKD PDWLAQLFIK HERRLHMYVV YCQNKPKSEH</p> <p>VLSEFGDSYF EELRQQLGHR LQLNDLLIKP VQRIMKYQLL LKDFLKYYRR AGKDTEELEQ</p> <p>AVEVMCFVPK RCNDMMSLGR LRGFEGKLT A QGKLLGQDTF LVTEPEAGGL LSSRGRERRV</p> <p>FLFEQIIIFS EALGGGGRRG AQPGYVYKNS IKVSCLGLEG NLQGNPCRFA LTSRGPEGGI</p> <p>QRYVLQASDP AVSQAWIKQV AQILESQRDF LNALQSPIEY QRRESQTNSL GRPGGPWVGS</p> <p>PGRMRPGDLA QASMHTPING SLPSLLLLPR GEVSRVLLPL DTQALSDTPQ TPHDSPALPT</p> <p>VNTPPCQARL AKLDEDEL Sequence without tag. The proposed Purification-Tag is based on</p>

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:

ARHGEF25/GEFT (ARHGEF25)

Alternative Name:

Arhgef25 ([ARHGEF25 Products](#))

Background:

Rho guanine nucleotide exchange factor 25 (Guanine nucleotide exchange factor GEFT) (Rac/Cdc42/Rho exchange factor GEFT) (RhoA/Rac/Cdc42 guanine nucleotide exchange factor GEFT) (p63RhoGEF), FUNCTION: May play a role in actin cytoskeleton reorganization in different tissues since its activation induces formation of actin stress fibers. It works as a guanine nucleotide exchange factor for Rho family of small GTPases. Links specifically G alpha q/11-coupled receptors to RHOA activation (By similarity). May be an important regulator of processes involved in axon and dendrite formation. In neurons seems to be an exchange factor primarily for RAC1. Involved in skeletal myogenesis. {ECO:0000250, ECO:0000269|PubMed:15322108, ECO:0000269|PubMed:16314529, ECO:0000269|PubMed:16496360}.

Molecular Weight:

68.3 kDa

Target Details

UniProt: [Q9CWR0](#)

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