

Datasheet for ABIN7558526
RHOT1 Protein (AA 1-631) (His tag)



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Overview

Quantity:	1 mg
Target:	RHOT1
Protein Characteristics:	AA 1-631
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RHOT1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Rhot1 Protein expressed in mammalien cells.
Sequence:	MRAGRVRPLR ASDMKKDVRI LLVGEP RVGK TSLIMSLVSE EFPEEVPPRA EEITIPADVT PERVPTHIVD YSEAEQSDEQ LHQEISQANV ICIVYAVNNK HSIDKVTSRW IPLINERTDK DSRLPLILVG NKSDLVEYSS METILPIMNQ YTEIETCVEC SAKNLKNISE LFYYAQKAVL HPTGPLYCPE EKEMKPACIK ALTRIFKISD QDNDGTLNDA ELNFFQRICF NTPLAPQALE DVKNVVRKHL SDGVADSGLT LRGFLFLHTL FIQRGRHETT WTVLRRFGYD DDLDLTPEYL FPLLKIPDC TTELNHAYL FLQSTFDKHD LDRDCALSPD ELKDLFQVFP YIPWGPDVNN TVCTNERGWI TYQGFLSQWT LTTYLDVQRC LEYLG YLGYS ILTEQESQAS AITVTRDKKI DLQKKQTQRN VFRCNVIGVK GCGKTGVLQS LLGRNLMRQK KIRDDHKSYY AINTVYVYGQ EKYLLLDHIS ESEFLTEAET ICDVVCLVYD VTNPKSFEYC ARIFKQHFMD SRIPCLIVAA KSDLHEVKQE HSISPTDFCR KHKMPPPQAF TCNTADAPSK DIFVKLTTMA MYPHVTQADL KSSTFWLRAS FGATVFAVVG FAMYRALLKQ R 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:

RHOT1

Alternative Name:

Rhot1 ([RHOT1 Products](#))

Background:

Mitochondrial Rho GTPase 1 (MIRO-1) (EC 3.6.5.-) (Ras homolog gene family member T1),FUNCTION: Mitochondrial GTPase involved in mitochondrial trafficking. Probably involved in control of anterograde transport of mitochondria and their subcellular distribution. Promotes mitochondrial fission during high calcium conditions (By similarity).
{ECO:0000250|UniProtKB:Q8IXI2}.

Molecular Weight:

72.2 kDa

UniProt:

[Q8BG51](#)

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
