

Datasheet for ABIN7563549
MPRIP Protein (AA 1-1024) (His tag)



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Overview

Quantity:	1 mg
Target:	MPRIP
Protein Characteristics:	AA 1-1024
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MPRIP protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Mprip Protein expressed in mammalian cells.
Sequence:	<p>MSAAKENPCR KQANIFNKS KCQNCFKPRE SHLLNDEDLT QAKPIYGGWL LLAPDGTDFD NPVHRSRKWQ RRFILYEHG LLRYALDEMP TTLPQGTINM NQCTDVVDGE ARTGQKFSLC ILTPDKEHFI RAETKEIISG WLEMLMVYPR TNKQNQKKKR KVEPPTQEP GPAKMAVTSS SGGSSGSSSS IPSAEKVPTT KSTLWQEEMR AKDQPDGTSL SPAQSPSQSQ PPAACTPREP GLESKEDEST ISGDRVDGGR KVRVESGYFS LEKAKQLRA EEQLPPLLSP PSPSTPHSRR SQVIEKFEAL DIEKAEHMET NMLILTPSS DTRQGRSERR AIPRKRDFAS EAPTAPLSDA CPLSPHRRAK SLDRRSTESS MTPDLLNFKK GWLTKQYEDG QWKKHWFVLA DQSLRYRDS VAEEAADLDG EINLSTCYDV TEYPVQRNYG FQIHTKEGEF TLSAMTSGIR RNWIQTIMKH VLPASAPDVT SSLPEGKNS TSFETCSRST EKQEAEPGEP DPEQKKSRRR ERRREGRSKT FDWAEFRPIQ QALAQERASA VGSSDSGDPG CLEAEPGELE RERARRREER RKRFGMLDTI DGPGMEDTAL RMDIDRSPGL LGTPDLKTQN VHVEIEQRWH QVETTPPLREE KQVPIAPLHL SLEDRSERLS THELTSLLEK ELEQSQKEAS DLLEQNRLQ DQLRVALGRE QSAREGYVLQ</p>

Product Details

ATCERGFAAM EETHQKKIED LQRQHRELE KLREEKDRLL AEETAATISA IEAMKNAHRE
EMERELEKSQ RSQISSINS D IEALRRQYLE ELQSVQRELE VLSEQYSQKC LENAHLAQUAL
EAERQALRQC QRENQELNAH NQELNNRLAA EITRLRLLT GDGGGESTGL PLTQGKDAYE
LEVLLRVKES EIQYLKQEIS SLKDELQ TAL RDKKYASDKY KDIYTELSIA KAKADCDISR
LKEQLKAATE ALGEKSPEGT TVSGYDIMKS KSNPDFLKKD RSCVTRQLRN IRKSKVIEQV SWDN

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.

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: MPRIP

Alternative Name: Mrip ([MPRIP Products](#))

Background: Myosin phosphatase Rho-interacting protein (Rho-interacting protein 3) (RIP3) (p116Rip),FUNCTION: Targets myosin phosphatase to the actin cytoskeleton. Required for the regulation of the actin cytoskeleton by RhoA and ROCK1. Depletion leads to an increased

Target Details

number of stress fibers in smooth muscle cells through stabilization of actin fibers by phosphorylated myosin. Overexpression of MRIP as well as its F-actin-binding region leads to disassembly of stress fibers in neuronal cells. {ECO:0000269|PubMed:12732640, ECO:0000269|PubMed:15469989}.

Molecular Weight: 116.4 kDa

UniProt: [P97434](#)

Application Details

Application Notes: We expect the protein to work for functional studies. 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