

Datasheet for ABIN7549581
MRI1 Protein (AA 1-369) (His tag)



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Overview

Quantity:	1 mg
Target:	MRI1 (Mri1)
Protein Characteristics:	AA 1-369
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MRI1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant MRI1 Protein expressed in mammalian cells.
Sequence:	MTLEAIRYSR GSLQILDQLL LPKQSRYEAV GSVHQAWEAI RAMKVRGAPA IALVGCLSLA VELQAGAGGP GLAALVAFVR DKLSFLVTAR PTAVNMARAA RDLADVAARE AEREGATEEA VRERVICCTE DMLEKDLRDN RSIGDLGARH LLERVAPSGG KVTVLTHCNT GALATAGYGT ALGVIRSLHS LGRLEHAFCT ETRPYNQGAR LTAFELVYEQ IPATLITDSM VAAAMAHRGV SAVVVGADRV VANGDTANKV GTYQLAIVAK HHGIPFYVAA PSSCDLRLE TGKEIIIIEER PGQELTDVNG VRIAAPGIGV WNPAFDVTPH DLITGGIITE LGVFAPEELR TALTTTISSR DGTLDGPQM 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:

Product Details

- 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:	MRI1 (Mri1)
Alternative Name:	MRI1 (Mri1 Products)
Background:	Methylthioribose-1-phosphate isomerase (M1Pi) (MTR-1-P isomerase) (EC 5.3.1.23) (Mediator of RhoA-dependent invasion) (S-methyl-5-thioribose-1-phosphate isomerase) (Translation initiation factor eIF-2B subunit alpha/beta/delta-like protein),FUNCTION: Catalyzes the interconversion of methylthioribose-1-phosphate (MTR-1-P) into methylthioribulose-1-phosphate (MTRu-1-P). Independently from catalytic activity, promotes cell invasion in response to constitutive RhoA activation by promoting FAK tyrosine phosphorylation and stress fiber turnover. {ECO:0000255 HAMAP-Rule:MF_03119, ECO:0000269 PubMed:19620624}.
Molecular Weight:	39.2 kDa
UniProt:	Q9BV20
Pathways:	Methionine Biosynthetic Process

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for
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Application Details

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
