

Datasheet for ABIN7558047
MON1A Protein (AA 1-556) (His tag)



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Overview

Quantity:	1 mg
Target:	MON1A
Protein Characteristics:	AA 1-556
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MON1A protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Mon1a Protein expressed in mammalian cells.
Sequence:	MAADMQRKRS SECPEGLTAP SNGQSVERAE SPTPGLTQGT EPGAGQEGAM FVHTRSYEDL TELEDREASG DSPKECVGSP PPLATDMRQI SQDFSELSTQ LTGVARDLQE EMLPGSSEDW PEPQGAAGRG AATEPSQEGS TEGEEEDATE AWRLHQKHVF VLSEAGKPVY SRYGSEEALS STMGVMVALV SFLEADKNAI RSIHADGYKV VVRRSPLVL VAVARTRQSA QELAQELLYI YYQILSLLTG AQLSHIFQKQ QNYDLRRLLS GSERITDNLL QLMARDPSFL MGAARCLPLA AAVRDVSAS LQQARARSLV FSILLAHNQL VALVRRKDQF LHPIDLHLLF NLISSSSSFR EGEAWTPVCL PKFNAAGFFH AHISYLEPDT DLCLLLISTD REDFFAVSDC RRRFQERLRK RGTHLALREA LRTPYYSVAQ VGIPDLRHFL YKSKSSGLFT SPEIEAPYSS EEEQERLLGL YQYLHSAHN ASRPLKTIYY TGPENLLAW VTGAFELYMC YSPLGTKASA VSAIHKLMRW IRKEEDRLF I LTPLTY 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.

Product Details

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: MON1A

Alternative Name: Mon1a ([MON1A Products](#))

Background: Vacuolar fusion protein MON1 homolog A,FUNCTION: Plays an important role in membrane trafficking through the secretory apparatus. Not involved in endocytic trafficking to lysosomes (PubMed:17632513). Acts in concert with CCZ1, as a guanine exchange factor (GEF) for RAB7, promotes the exchange of GDP to GTP, converting it from an inactive GDP-bound form into an active GTP-bound form (By similarity). {ECO:0000250|UniProtKB:Q86VX9, ECO:0000269|PubMed:17632513}.

Molecular Weight: 62.1 kDa

UniProt: [Q6PDG8](#)

Pathways: [Transition Metal Ion Homeostasis](#)

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
