

Datasheet for ABIN7549471
MOCS1 Protein (AA 1-636) (His tag)



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Overview

Quantity:	1 mg
Target:	MOCS1
Protein Characteristics:	AA 1-636
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MOCS1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant MOCS1 Protein expressed in mammalian cells.
Sequence:	MAARPLSRML RLLRSSARS CSSGAPVTQP CPGESARAAS EEVSRRRQFL REHAAPFSAF LTDSFGRQHS YLRISLTEKC NLRCQYCMPE EGVPLTPKAN LLTTEEITL ARLFVKEGID KIRLTGGEPL IRPDVVDIVA QLQRLEGLRT IGVTNGINL ARLLPQLQKA GLSAINISLD TLVPAKFEFI VRRKGFHKVM EGIHKAIELG YNPVKVNCVV MRGLNEDELL DFAALTEGLP LDVRFIEYMP FDGNKWNFKK MVSYPEMLDT VRQQWPELEK VPEESSTAK AFKIPGFQGG ISFITSMSEH FCGTCNRLRI TADGNLKVCL FGNSEVSLRD HLRAGASEQE LLRIIGAAVG RKKRQHAGMF SISQMKNRPM ILIELFLMFP NSPPANPSIF SWDPLHVQGL RPRMSFSSQV ATLWKGCRVP QTPPLAQRL GSGSFQRHYT SRADSDANSK CLSPGSWASA APSGPQLTSE QLTHVDSEGR AAMVDVGRKP DTERVAVASA VLLGPVAFK LVQQNQLKKG DALVVAQLAG VQAAKVTSQL IPLCHHVALS HIQVQLELDS TRHAVKIQAS CRARGPTGVE MEAL TSAAVA ALTLYDMCKA VSRDIVLEEI KLISKTGGQR GDFHRA Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein

Product Details

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: MOCS1

Alternative Name: MOCS1 ([MOCS1 Products](#))

Background: Molybdenum cofactor biosynthesis protein 1 (Cell migration-inducing gene 11 protein) (Molybdenum cofactor synthesis-step 1 protein A-B) [Includes: GTP 3',8-cyclase (EC 4.1.99.22) (Molybdenum cofactor biosynthesis protein A), Cyclic pyranopterin monophosphate synthase (EC 4.6.1.17) (Molybdenum cofactor biosynthesis protein C)],FUNCTION: Isoform MOCS1A and isoform MOCS1B probably form a complex that catalyzes the conversion of 5'-GTP to cyclic pyranopterin monophosphate (cPMP). MOCS1A catalyzes the cyclization of GTP to (8S)-3',8-cyclo-7,8-dihydroguanosine 5'-triphosphate and MOCS1B catalyzes the subsequent conversion of (8S)-3',8-cyclo-7,8-dihydroguanosine 5'-triphosphate to cPMP. {ECO:0000269|PubMed:11891227}.

Target Details

Molecular Weight: 70.1 kDa

UniProt: [Q9NZB8](#)

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