

Datasheet for ABIN7563641
MOCOS Protein (AA 1-862) (His tag)



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Overview

Quantity:	1 mg
Target:	MOCOS
Protein Characteristics:	AA 1-862
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MOCOS protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Mocos Protein expressed in mammalien cells.
Sequence:	MACGAAERGP EPPAFQRHLE ASTQRLAHGY GLRSMSELRD QEFGRLAGTV YLDHAGATLF PQSQLTNFTK DLMENVYGNP HSQNITSKLT HDTVEQVRYR ILTHFHTTPE DYIVIFTAGS TAALRLVAEA FPWVSRSPEN SGSHFCYLTLD NHTSVVGMRK VAAAMSVTSI PVKPEDMWSA EGKDAGACDP DCQLPHLFCY PAQSNFSGTR YPLSWVEEVK SGRRSPVNAP GKWFVLLDAA SYVSTSPLDL SAHQADFIPI SFYKIFGLPT GLGALLVKNH VAPLLRKG YF GGGTAAAYLA GEDFYVPRSS VAERFEDGTI SFLDVIALKH GFDALHLTG GMVNIQQHTF ALVQYTHSAL SSLRYLINGAP VVRIYSDSEF SSPDVQGPII NFNVLDDGGK IIGYSQVDKM ASLYNIHLRT GCFCNLGACQ RHLGLSDEM V KKHFAQGHVC GDDVDIIDGR PTGSRVRSFG YMSTLEDAQA FLRFISTIYL RSPSDQVPQ ASISDAGALT SKSDCHSPQE GSCTDPSVCN GSYPDTNIMD LHPSLSKASS AQQTPQDKAA GILNGDPGSH IVTNIYLYPI KSCAAFEVTK WPVGSQGLLY DRSWMVVNH N GICMSQKQEP RLCLIQPFID LQQRIMVIKA EGMEPIQVPL EEDGEQTQIC

Product Details

QSRVCADRVN TYDCGENVSR WLSKFLGRLC HLIKQSPHFQ RNARKTPKKG QPPGTTVALS
LVNEAQYLLV NTSSILELQR QLNASDEHGK EESFSMKDLI SRFRANIITK GARAFEEEEKW
DEISIGSLHF QVLGPCHRCQ MICINQQTGQ RNQDVFQTLS ESRGRKVNFG VYLMHSYLDL
SSPCFLSVGS EVLPVLKDCG VS **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:

MOCOS

Alternative Name:

Mocos ([MOCOS Products](#))

Background:

Molybdenum cofactor sulfurase (MCS) (MOS) (MoCo sulfurase) (EC 2.8.1.9) (Molybdenum cofactor sulfurtransferase),FUNCTION: Sulfurates the molybdenum cofactor. Sulfation of molybdenum is essential for xanthine dehydrogenase (XDH) and aldehyde oxidase (ADO) enzymes in which molybdenum cofactor is liganded by 1 oxygen and 1 sulfur atom in active form. {ECO:0000255|HAMAP-Rule:MF_03050}.

Molecular Weight:

95.0 kDa

Target Details

UniProt: [Q14CH1](#)

Pathways: [Response to Water Deprivation, ER-Nucleus Signaling](#)

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
