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Datasheet for ABIN7556405

**MOCS2 Protein (AA 1-189) (His tag)**

## Overview

Quantity:	1 mg
Target:	MOCS2
Protein Characteristics:	AA 1-189
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MOCS2 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Mocs2 Protein expressed in mammalian cells.
Sequence:	MSSLEISNSC FSPETRSPSS RQSVEDNASE PSGKDVDDVQ EKPKDIIQFT AEKLSVGEVS QLVWSPLCGA VSLFVGTRN NFEGKKVISL EYEAYVMAE NEIRKICNDI RQKWPVRHIA VFHRLGLVPV SEASTVIAVS SAHRAASLEA VSYAIDSLKA KVPIWKKEIY EESTSSWKRN KECFWAAGD <b>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.</b>
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: <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and</li></ul>

## Product Details

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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.

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Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
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Grade:	custom-made
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## Target Details

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Target:	MOCS2
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Alternative Name:	Mocs2 ( <a href="#">MOCS2 Products</a> )
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Background:	Molybdopterin synthase catalytic subunit (EC 2.8.1.12) (Molybdenum cofactor synthesis protein 2 large subunit) (Molybdenum cofactor synthesis protein 2B) (MOCS2B),FUNCTION: Catalytic subunit of the molybdopterin synthase complex, a complex that catalyzes the conversion of precursor Z into molybdopterin. Acts by mediating the incorporation of 2 sulfur atoms from thiocarboxylated MOCS2A into precursor Z to generate a dithiolene group. {ECO:0000255 HAMAP-Rule:MF_03052}.
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Molecular Weight:	20.9 kDa
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UniProt:	<a href="#">Q9Z223</a>
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## Application Details

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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.
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Restrictions:	For Research Use only
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## Handling

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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