

Recombinant Human MOCS3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MOCS3-585H Lot. No. (See product label)

SPECIFICATION

Product Overview

MOCS3 MS Standard C13 and N15-labeled recombinant protein (NP_055299) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

Description

Molybdenum cofactor (MoCo) is necessary for the function of all molybdoenzymes. The protein encoded by this gene adenylates and activates molybdopterin synthase, an enzyme required for biosynthesis of MoCo. This gene contains no introns. A pseudogene of this gene is present on chromosome 14.

Molecular Mass

49.5 kDa

AA Sequence

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MASREEVLALQAEVAQREEELNSLKQKLASALLAEQEPQPERLVPVSPLPPKAALSR
DEILRYSRQLVLPGLVHGQLRLGTACVLIVGCGGLGCPLAQYLAAAGVGRGLVDY
DVVEMSNLARQVLHGEALAGQAKAFSAAASLRRLNSAVECVPYTQALTPATALDLV
RRYDVVADCSDNVPTRYLVNDACVLAGRPLVSASALRFEGQITVYHYDGGPCYRCI
FPQPPPAETVTNCADGGVLGVVTGVLGCLQALEVLKIAAGLGPSYSGSLLLFDALRG
HFRSIRLRSRRLDCAACGERPTVTDLLDYEAFCGSSATDKCRSLQLLSPEERVSVD
YKRLLD SGAFHLLLDVRPQVEVDICRLPHALHIPLKHLERRDAESLKLLKEAIWEEKQ
GTQEGAAVPIYVICKLGNDSQKAVKILQSLSAQELDPLTVRDVVGGLMAWAAKIDG
TFPQYTRTRPLEQKLISEEDLAANDILDYKDDDDKV
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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	MOCS3 molybdenum cofactor synthesis 3 [Homo sapiens (human)]
Official Symbol	MOCS3
Synonyms	MOCS3; molybdenum cofactor synthesis 3; adenylyltransferase and sulfurtransferase MOCS3; dJ914P20.3; UBA4; ubiquitin activating enzyme E1 homolog (yeast); ubiquitin like modifier activating enzyme 4; MPT synthase sulfurylase; molybdopterin synthase sulfurylase; molybdenum cofactor synthesis protein 3; ubiquitin-like modifier activating enzyme 4; UBA4, ubiquitin-activating enzyme E1 homolog; MGC9252;
Gene ID	27304
mRNA Refseq	NM_014484
Protein Refseq	NP_055299
MIM	609277

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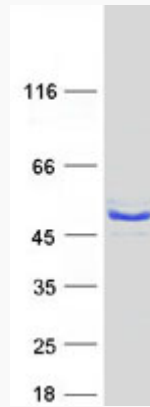
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UniProt ID

O95396

SDS-PAGE



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