

Recombinant Human MOCS3 Protein, GST-tagged

Cat. No. MOCS3-5465H **Lot. No.** (See product label)

SPECIFICATION

Product Overview Human MOCS3 full-length ORF (AAH15939, 1 a.a. - 460 a.a.) recombinant protein with GST-tag at N-terminal.

Species Human

Source Wheat Germ

Description Molybdenum cofactor (MoCo) is necessary for the function of all molybdoenzymes. One of the enzymes required for the biosynthesis of MoCo is molybdopterin synthase (MPT synthase). The protein encoded by this gene adenylates and activates MPT synthase. This gene contains no introns. A pseudogene of this gene is present on chromosome 14. [provided by RefSeq]

Molecular Mass 76.34 kDa

AA Sequence MASREEVLALQAEVAQREEELNSLKQKLASALLAEQEPQPERLVPVSPLPPKAALSR
 DEILRYSRQLVLPGLVHGQLRLGTACVLIVGCGGLGCPLAQYLAAGVGRGLVDY
 DVVEMSNLARQVLHGEALAGQAKAFSAAASLRRLNSAVECVPYTQALTPATALDLV
 RRYDVVADCSDNVPTRYLVNDACVLAGRPLVSASALRFEGQITVYHYDGGPCYRCI
 FPQPPAETVTNCADGGVLGVVTGVLGCLQALEVLKIAAGLGPSYSGSLLLFDALRG
 HFRSIRLRSRRLDCAACGERPTVTDLLDYEAFCGSSATDKCRSLQLLSPEERVSVD
 YKRLLD SGAFHLLLDVRPQVEVDICRLPHALHIPLKHLERRDAESLKLLKEAIWEEKQ
 GTQEGAAVPIYVICKLGNDSQKAVKILQSLSAAQELDPLTVRDVVGGLMAWAAKIDG
 TFPQY

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	MOCS3 molybdenum cofactor synthesis 3 [Homo sapiens]
Official Symbol	MOCS3
Synonyms	MOCS3; molybdenum cofactor synthesis 3; adenyltransferase 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



UniProt ID

O95396

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