

Recombinant Human MOCS2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MOCS2-920H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MOCS2 MS Standard C13 and N15-labeled recombinant protein (NP_789776) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Eukaryotic molybdoenzymes use a unique molybdenum cofactor (MoCo) consisting of a pterin, termed molybdopterin, and the catalytically active metal molybdenum. MoCo is synthesized from precursor Z by the heterodimeric enzyme molybdopterin synthase. The large and small subunits of molybdopterin synthase are both encoded from this gene by overlapping open reading frames. The proteins were initially thought to be encoded from a bicistronic transcript. They are now thought to be encoded from monocistronic transcripts. Alternatively spliced transcripts have been found for this locus that encode the large and small subunits.
Molecular Mass	9.6 kDa
AA Sequence	MVPLCQVEVLYFAKSAEITGVRSETISVPQEIKALQLWKEIETRHPGLADVRNQIIFAV RQEYVELGDQLLVLPQGD EIAVIPPISSGGTRTRPLEQKLISEEDLAANDILDYKDDDDK V
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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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	MOCS2 molybdenum cofactor synthesis 2 [Homo sapiens (human)]
Official Symbol	MOCS2
Synonyms	MOCS2; molybdenum cofactor synthesis 2; molybdopterin synthase catalytic subunit; MOCO1; MOCO1-A; MOCO1-B; MPT synthase large subunit; sulfur carrier protein MOCS2A; molybdopterin-synthase large subunit; molybdopterin-synthase small subunit; molybdenum cofactor synthesis protein 2A; molybdenum cofactor synthesis protein 2B; molybdenum cofactor biosynthesis protein E; molybdopterin synthase sulfur carrier subunit; molybdenum cofactor synthesis protein 2 large subunit; molybdenum cofactor synthesis protein 2 small subunit; MPTS; MCBPE; MOCS2A; MOCS2B;
Gene ID	4338
mRNA Refseq	NM_176806
Protein Refseq	NP_789776
MIM	603708

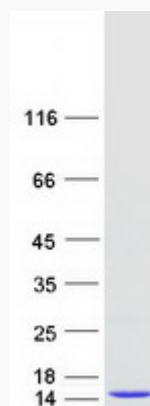
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UniProt ID

O96007

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