

Recombinant Human MOSC2 Protein, Myc/DDK-tagged

Cat. No. MOSC2-45H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human MOCO sulphurase C-terminal domain containing 2 (MOSC2) with a C-Myc/DDK tag was expressed in HEK293T.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is an enzyme found in the outer mitochondrial membrane that reduces N-hydroxylated substrates. The encoded protein uses molybdenum as a cofactor and cytochrome b5 type B and NADH cytochrome b5 reductase as accessory proteins. One type of substrate used is N-hydroxylated nucleotide base analogues, which can be toxic to a cell. Other substrates include N(omega)-hydroxy-L-arginine (NOHA) and amidoxime prodrugs, which are activated by the encoded enzyme. Multiple transcript variants encoding the different isoforms have been found for this gene.
Molecular Mass	37.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

GENE INFORMATION

Gene Name [MTARC2 mitochondrial amidoxime reducing component 2 \[Homo sapiens \(human\) \]](#)

Official Symbol [MTARC2](#)

Synonyms MTARC2; mitochondrial amidoxime reducing component 2; MARC2; MOSC2; mitochondrial amidoxime reducing component 2; MOCO sulphurase C-terminal domain containing 2; MOSC domain-containing protein 2, mitochondrial; moco sulfurase C-terminal domain-containing protein 2; molybdenum cofactor sulfurase C-terminal domain-containing protein 2

Gene ID [54996](#)

mRNA Refseq [NM_017898](#)

Protein Refseq [NP_060368](#)

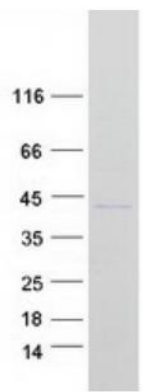
MIM [614127](#)

UniProt ID [Q969Z3](#)

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SDS-PAGE

116 —
66 —
45 —
35 —
25 —
18 —
14 —

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