

Recombinant Human MTARC2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MTARC2-5019H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MOSC2 MS Standard C13 and N15-labeled recombinant protein (NP_060368) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
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	38 kDa
AA Sequence	MGASSSSALARLGLPARPWPRWLGVAAALGLAAVALGTVAWRRRAWPRRRRRLQQV GTVAKLWIYPVKSCKGVPVSEAECTAMGLRSGNLRDRFWLVIKEDGHMVTARQEP RLVLISIIYENNCLIFRAPDMDQLVLPSPKQPSSNKLHNCRIFGLDIKGRDCGNEAAKWF TNFLKTEAYRLVQFETNMKGRTSRKLLPTLDQNFQVAYPDYCPLLIMTDASLVDLNT RMEKKMKMENFRPNIVVTGCDAFEEDTWDELLIGSVEVKKVMACPRCILTTPDPDT

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GVIDRKQPLDTLKSRYRLCDPSEELYKLSPLFGIYYSVEKIGSLRVGDPVYRMVTRTR
PLEQKLISEEDLAANDILDYKDDDDKV

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 MTARC2 mitochondrial amidoxime reducing component 2 [Homo sapiens (human)]

Official Symbol MTARC2

Synonyms MARC2; 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

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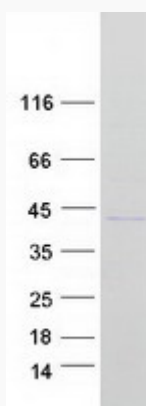
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MIM 614127

UniProt ID Q969Z3

SDS-PAGE



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