Recombinant Human MTARC2 Protein, DYKDDDDK-tagged

Cat. No. MTARC2-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant protein from the full-length sequence of Homo sapiens mitochondrial amidoxime reducing component 2 (MTARC2), transcript variant 2 (NM_017898), with a DYKDDDDK tag was expressed in human cells.
Species	Human
Source	Human Cells
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
Endotoxin	Endotoxin level is < 0.1 ng/μg of protein (<1EU /μg)
Purity	>90% by SDS-PAGE gel and Coomassie Blue staining
Applications	Antigens, Western, ELISA and other in vitro binding or in vivo functional assays, and protein-protein interaction studies; For research & development use only!

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Storage Buffer	Purified protein formulated in a sterile solution of TBS buffer, pH7.4, without any preservatives

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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