Recombinant Full Length Human MTARC2 Protein, C-Flag-tagged

Cat. No. MTARC2-690HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human MTARC2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian 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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	37.8 kDa
AA Sequence	MGASSSSALARLGLPARPWPRWLGVAALGLAAVALGTVAWRRAWPRRRRRLQQV GTVAKLWIYPVKSCKG VPVSEAECTAMGLRSGNLRDRFWLVIKEDGHMVTARQEP RLVLISIIYENNCLIFRAPDMDQLVLPSKQP SSNKLHNCRIFGLDIKGRDCGNEAAKW FTNFLKTEAYRLVQFETNMKGRTSRKLLPTLDQNFQVAYPDYC PLLIMTDASLVDLN

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	TRMEKKMKMENFRPNIVVTGCDAFEEDTWDELLIGSVEVKKVMACPRCILTTVDPD TGVIDRKQPLDTLKSYRLCDPSERELYKLSPLFGIYYSVEKIGSLRVGDPVYRMVTRT RPLEQKLISEEDLAANDILDYKDDDDKV
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.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Transmembrane
Full Length	Full L.

GENE INFORMATION

Gene Name	MTARC2 mitochondrial amidoxime reducing component 2 [Homo sapiens (human)]
Official Symbol	MTARC2
Synonyms	MARC2; MOSC2
Gene ID	54996
mRNA Refseq	NM_017898.5

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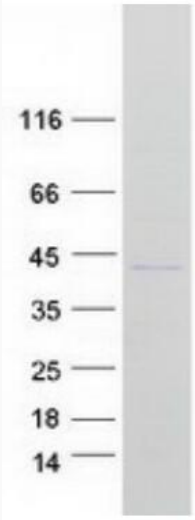
Protein Refseq	NP_060368.2
MIM	614127
UniProt ID	Q969Z3



Coomassie blue staining of purified MARC2 protein.

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