

Recombinant Human MARS2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MARS2-5503H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MARS2 MS Standard C13 and N15-labeled recombinant protein (NP_612404) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene produces a mitochondrial methionyl-tRNA synthetase protein that is encoded by the nuclear genome and imported to the mitochondrion. This protein likely functions as a monomer and is predicted to localize to the mitochondrial matrix. Mutations in this gene are associated with the autosomal recessive neurodegenerative disease spastic ataxia-3 (SPAX3).
Molecular Mass	66.6 kDa
AA Sequence	MLRTSVLRLLGRTGASRLSLLDFGPRYYSSGSL SAGDDACDV RAYFTTPIFYVNAA PHIGHLYSALLADALCRHRRLRGPSTAATRFSTGTDEHGLKIQQAATAGLAPTELC DRVSEQFQQLFQEAGISCTDFIRTTEARHRVAVQHFVGVLKSRGLLYKGVYEGWYC ASDECFLPEAKVTQQPGPSGDSFPVSLES GHPVSWTKEENYIFRLSQFRKPLQRWL RGNPQAITPEPFHHVVLQWLDEELPDLSVSRSSHLHWGIPVPGDDSQTIIYVWLDA LVNYLTVIGYPNAEFKSWWPATSHIIGKDILKFHAIYWP AFLLGAGMSPPQRICVHSH WTVCGQKMSKSLGNVVDPR TCLNRYTVDGFRYFLLRQGVPNWDCDYDEKVVKLL NSELADALGLLNRCTAKRINPSETYPAFCTTCFPSEPLVGPSVRAQAEDYALVSA

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VATLPKQVADHYDNFRIYKALEAVSSCVRQTNGFVQRHAPWKLNWESPVDAPWLG
TVLHVALECLR VFGTLLQPVTPLADKLLSRLGVSASERSLGELYFLPRFYGHPCPFE
GRR LGPETGLLFPRLDQSRTWL VKAHR TTRTRPLEQKLISEEDLAANDILDYKDDDD
KV

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 MARS2 methionyl-tRNA synthetase 2, mitochondrial [Homo sapiens (human)]

Official Symbol MARS2

Synonyms MARS2; methionyl-tRNA synthetase 2, mitochondrial; MetRS; COXPD25; mtMetRS; methionine--tRNA ligase, mitochondrial; methionine tRNA ligase 2, mitochondrial; methionine--tRNA ligase 2; methionine-tRNA synthetase 2, mitochondrial; EC 6.1.1.10

Gene ID 92935

mRNA Refseq NM_138395

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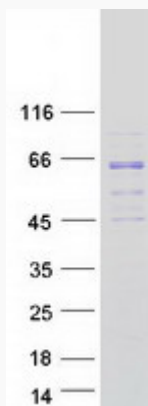
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Protein Refseq NP_612404

MIM 609728

UniProt ID Q96GW9

SDS-PAGE



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