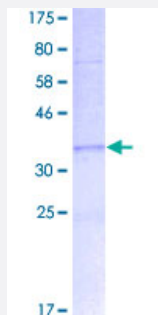


MARS2 (Human) Recombinant Protein (Q01)

Catalog # H00092935-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human MARS2 partial ORF (NP_612404, 1 a.a. - 106 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MLRTSVLRLLGRTGASRLSLEDGPRYYSSGSLGAGDDACDVRAVFTTPIFYVNAAPHIGHLYSALLADALCRHRRLRGPSTAATRFSTGTDEHGLKIQQAATA
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.4
Interspecies Antigen Sequence	Mouse (71); Rat (73)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — MARS2

Entrez GeneID	92935
GeneBank Accession#	NM_138395
Protein Accession#	NP_612404
Gene Name	MARS2
Gene Alias	MetRS, mtMetRS
Gene Description	methionyl-tRNA synthetase 2, mitochondrial
Omim ID	609728
Gene Ontology	Hyperlink
Gene Summary	O
Other Designations	methionine tRNA ligase 2, mitochondrial methionine-tRNA ligase methionine-tRNA synthetase 2 methionine-tRNA synthetase 2 (mitochondrial) methionine-tRNA synthetase 2, mitochondrial mitochondrial methionyl-tRNA synthetase

Publication Reference

- [Mutations in the mitochondrial methionyl-tRNA synthetase cause a neurodegenerative phenotype in flies and a recessive ataxia \(ARSAL\) in humans.](#)

Bayat V, Thiffault I, Jaiswal M, Tétreault M, Donti T, Sasarman F, Bernard G, Demers-Lamarche J, Dicaire MJ, Mathieu J, Vanasse M, Bouchard JP, Rioux MF, Lourenco CM, Li Z, Haueter C, Shoubridge EA, Graham BH, Brais B, Bellen HJ.

PLoS Biology 2012 Mar; 10(3):e1001288.

Pathway

- [Aminoacyl-tRNA biosynthesis](#)
- [Selenoamino acid metabolism](#)