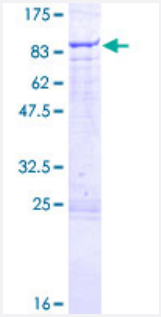
Full-Length

MARS2 (Human) Recombinant Protein (P01)

Catalog # H00092935-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human MARS2 full-length ORF (NP_612404.1, 1 a.a. - 593 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MLRTSVLRLLGRTGASRLSLLEDFGPRYYSSGSLSAGDDACDVRAYFTTPIFYVNAAPHIGHLYSA LLADALCRHRRLRGPSTAATRFSTGTDEHGLKIQQAAATAGLAPTELCDRVSEQFQQLFQEAGIS CTDFIRTTEARHRVAVQHFWGVLKSRGLLYKGVYEGWYCASDECFLPEAKVTQQPGPSGDSFP VSLESGHPVSWTKEENYIFRLSQFRKPLQRWLRGNPQAITPEPFHHVVLQWLDEELPDLSVSRR SSHLHWGIPVPGDDSQTIYVWLDALVNYLTVIGYPNAEFKSWWPATSHIIGKDILKFHAIYWPAFLLG AGMSPPQRICVHSHWTVCGQKMSKSLGNVVDPRTCLNRYTVDGFRYFLLRQGVPNWDCDYYDE KVVKLLNSELADALGGLLNRCTAKRINPSETYPAFCTTCFPSEPGLVGPSVRAQAEDYALVSAVA TLPKQVADHYDNFRIYKALEAVSSCVRQTNGFVQRHAPWKLNWESPVDAPWLGTVLHVALECLR VFGTLLQPVTPSLADKLLSRLGVSASERSLGELYFLPRFYGHPCPFEGRRLGPETGLLFPRLDQS RTWLVKAHRT
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	93
Interspecies Antigen Sequence	Mouse (86); Rat (87)
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_138395.2
Protein Accession#	NP_612404.1
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|mitoc hondrial methionyl-tRNA synthetase

Pathway

- Aminoacyl-tRNA biosynthesis
- Selenoamino acid metabolism