

Recombinant Mouse Mars1 Protein, Myc/DDK-tagged

Cat. No. Mars1-3962M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length methionine-tRNA synthetase (Mars), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	The encoded protein belongs to the class I family of tRNA synthetases, a class of enzymes that charge tRNAs with their cognate amino acids. The related human gene product is essential for the translation initiation of mRNAs. This gene has an overlapping 3' UTR tail-to-tail arrangement with an adjacent gene on the opposite strand that encodes an inhibitor of the CCAAT/enhancer-binding protein's DNA binding activity. This arrangement, conserved in human and mouse, may be involved in mRNA stability and possible functional and regulatory interaction of these adjacent overlapping genes. Alternative splicing results in multiple transcript variants.
Molecular Mass	101.4 kDa
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 after receiving vials.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Mars1 methionine-tRNA synthetase 1 [Mus musculus (house mouse)]

Official Symbol Mars1

Synonyms MARS; methionine-tRNA synthetase; methionine--tRNA ligase, cytoplasmic; methionine tRNA ligase; methionyl-tRNA synthetase, cytoplasmic; Metrs; Mtrns; MGC90747

Gene ID 216443

mRNA Refseq NM_001003913

Protein Refseq NP_001003913

UniProt ID Q68FL6

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA