

## Recombinant Mouse Nars Protein, Myc/DDK-tagged

Cat. No. Nars-4294M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length asparaginyl-tRNA synthetase (Nars), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	Catalyzes the attachment of asparagine to tRNA(Asn) in a two-step reaction: asparagine is first activated by ATP to form Asn-AMP and then transferred to the acceptor end of tRNA(Asn). In addition to its essential role in protein synthesis, acts as a signaling molecule that induces immune response in a CCR3-dependent manner.
<b>Molecular Mass</b>	64.3 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>50 µg/mL as determined by microplate BCA method
<b>Storage Buffer</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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**GENE INFORMATION****Gene Name** Nars asparaginyl-tRNA synthetase [ *Mus musculus* (house mouse) ]**Official Symbol** Nars**Synonyms** NARS; asparaginyl-tRNA synthetase; asparagine--tRNA ligase, cytoplasmic; asparaginyl-tRNA synthetase, cytoplasmic; ASNRS; C78150; AA960128; 3010001M15Rik**Gene ID** 70223**mRNA Refseq** NM\_001142950**Protein Refseq** NP\_001136422**UniProt ID** Q8BP47 Tel: 1-631-559-9269 1-516-512-3133 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA