

Recombinant Mouse Nars Protein, Myc/DDK-tagged

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

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length asparaginyl-tRNA synthetase (Nars), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	64.3 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.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	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

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