

Recombinant Human NARS Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NARS-5687H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NARS MS Standard C13 and N15-labeled recombinant protein (NP_004530) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Aminoacyl-tRNA synthetases are a class of enzymes that charge tRNAs with their cognate amino acids. Asparaginyl-tRNA synthetase is localized to the cytoplasm and belongs to the class II family of tRNA synthetases. The N-terminal domain represents the signature sequence for the eukaryotic asparaginyl-tRNA synthetases.
Molecular Mass	62.9 kDa
AA Sequence	MVLAELYVSDREGSDATGDGTKEKPFKTGLKALMTVGKEPFPTIYVDSQKENERWN VSKSQLKNIKKMWHREQMKSESREKKEAEDSLRREKNLEEAKKITIKNDPSLPEPK CVKIGALEGYRGQRVKVFGWVHRLRRQGKNLMFLVLRDGTGYLQCVLADELCCQCY NGVLLSTESSVAVYGMLNLTPKGKQAPGGHELSCDFWELIGLAPAGGADNLINEES DVDVQLNNRHMMIRGENMSKILKARSMVTRCFRDHFFDRGYEYVTPPTLVQTQVE GGATLFKLDYFGEEAFLTQSSQLYLETCLPALGDVFCIAQSYRAEQSRRRHLAEYT HVEAECPLTFDILLNRLEDLVCDVVDRIKSPAGSIVHELNPNFQPPKRPFKRMNY SDAIVWLKEHDVKKEDGTFYEFGEDIPEAPERLMTDTINEPILLCRFPVEIKSFYMQR CPEDSRLTESVDVLMNVGEIVGGSMRIFDSEEILAGYKREGIDPTPYWYTDQRKY

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GTCPHGGYGLGLERFLTWILNRYHIRDVCLYPRFVQRCTPSGPTRTRPLEQKLISEE
DLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [NARS asparaginyl-tRNA synthetase \[Homo sapiens \(human\) \]](#)

Official Symbol [NARS](#)

Synonyms NARS; asparaginyl-tRNA synthetase; asparagine--tRNA ligase, cytoplasmic; asparagine tRNA ligase 1; cytoplasmic; NARS1; asparagine tRNA ligase 1, cytoplasmic; asparaginyl-tRNA synthetase, cytoplasmic; ASNRS;

Gene ID [4677](#)

mRNA Refseq [NM_004539](#)

Protein Refseq [NP_004530](#)

MIM [108410](#)

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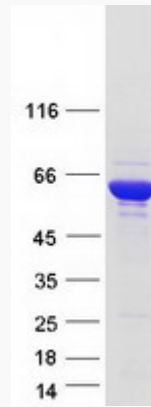
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UniProt ID

O43776

SDS-PAGE



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