

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 VISKSQKNIKKMWHREQMKSESREKKEAEDSLRREKNLEEAKKITIKNDPSLPEPK CVKIGALEGYRGQRVKVFGWVHRLRRQGKNLMFLVLRDGTGYLQCVLADELQCQY NGVLLSTESSVAVYGMLNLTPKGKQAPGGHELSCDFWELIGLAPAGGADNLINEES DVDVQLNNRHMMIRGENMSKILKARSMVTRCFRDHFFDRGYEYVTPPTLVQTQVE GGATLFLKLDYFGEEAFLTQSSQLYLETCLPALGDVFCIAQSYRAEQSRRRLHAEYT HVEAECPFLLTFDDLLNRLEDLVCDVVDRIKSPAGSIVHELNPNFQPPKRPFKRMNY SDAIVWLKEHDVKKEDGTFYEFGEDIPEAPERLMTDTINEPILLCRFPVEIKSFYMQR CPEDSRLTESVDVLMPNVGEIVGGSMRIFDSEEILAGYKREGIDPTPYWYTDQRKY

 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

	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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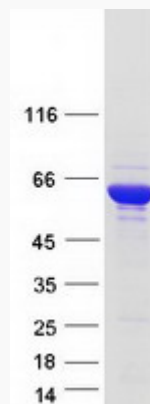
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UniProt ID

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SDS-PAGE

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