

Product datasheet for **TP300087M**

NARS1 (NM_004539) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human asparaginyl-tRNA synthetase (NARS), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200087 protein sequence Red =Cloning site Green =Tags(s)

MVLAELYVSDREGSDATGDGTKEKPFKTGLKALMTVGKEPFPTIYVDSQKENERWNVVISKSQLKNIKKMW
HREQMKSESREKKEAEDSLRREKNLEEAKKITIKNDPSLPEPKCVKIGALEGYRGQRVKVFGWVHRLRRQ
GKNLMFLVLRDGTGYLQCVLADELQCQYNGVLLSTESSVAVYGMLNLTPKGKQAPGGHELSCDFWELIGL
APAGGADNLINEESDQVQLNNRHMMIRGENMSKILKARSMVTRCFRDHFFDRGYEYVTPPTLVQTQVEG
GATLFKLDYFGEEAFLTQSSQLYLETCLPALGDVFCIAQSYRAEQSRTRRHLEAYTHVEAECPFLLTFDDL
LNRLEDLVCDVVDRLKSPAGSIVHELNPNFQPPKRPFKRMNYSDAIVWLKEHDVKKEDGTFYEFGEDIP
EAPERLMTDTINEPILLCRFPVEIKSFYMQRPCEDSRLTESVDVLMPNVGEIVGGSMRIFDSEEILAGYK
REGIDPTPYWYTDQRKYGTCPHGGYGLGLERFLTWILNRYHIRDVCLYPRFVQRCTP

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	62.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP_004530](#)

Locus ID: 4677

UniProt ID: [O43776](#)

RefSeq Size: 2868

Cytogenetics: 18q21.31

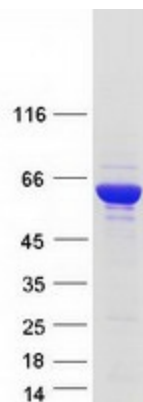
RefSeq ORF: 1644

Synonyms: ASNRS; NARS

Summary: 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. [provided by RefSeq, Jul 2008]

Protein Pathways: Aminoacyl-tRNA biosynthesis

Product images:



Coomassie blue staining of purified NARS protein (Cat# [TP300087]). The protein was produced from HEK293T cells transfected with NARS cDNA clone (Cat# [RC200087]) using MegaTran 2.0 (Cat# [TT210002]).