

## Product datasheet for **TP300087**

### **NARS1 (NM\_004539) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human asparaginyl-tRNA synthetase (NARS), 20 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC200087 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MVLAELYVSDREGSDATGDGTEKPKFTGLKALMTVGKEPFPTIYVDSQKENERWNVISKSQKNIKKMW  
HREQMKSESREKKEAEDSLRREKNLEEAKKITIKNDPSLPEPKCVKIGALEGYRGQRVKVFGVWHRLRRQ  
GKNLMFLVLRDGTGYLQCVLADELQCQYNGVLLSTESSVAVYGMLNLTPKGKQAPGGHELSCDFWELIGL  
APAGGADNLINEESDQVQVQLNNRHMIRGENMSKILKARSMVTRCFRDHFFDRGYEYVTPPTLVQQTQVE  
G

GATLFKLDYFGEEAFLTQSSQLYLETCLPALGDVFCIAQSYRAEQSRRRHLAEYTHVEAECPLTFDDL  
LNRLEDLVCDVVDRIKSPAGSIVHELNPNFQPPKRPFKRMNYSDAIWWLKEHDVKKEDGTFYFEGEDIP  
EAPERLMTDTINEPILLCRFPVEIKSFYMQRPCEDSRLTESVDVLMNVGEIVGGSMRIFDSEELAGYK  
REGIDPTPYWYTDQRKYGTCPHGGYGLGLERFLTWILNRYHIRDVCLYPRFVQRCTP

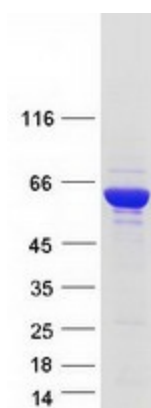
**SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV**

<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	62.8 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.



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<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>RefSeq:</b>	<a href="#">NP_004530</a>
<b>Locus ID:</b>	4677
<b>UniProt ID:</b>	<a href="#">O43776</a>
<b>RefSeq Size:</b>	2868
<b>Cytogenetics:</b>	18q21.31
<b>RefSeq ORF:</b>	1644
<b>Synonyms:</b>	ASNRS; NARS
<b>Summary:</b>	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]
<b>Protein Pathways:</b>	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]).