

Recombinant Human NARS

Cat. No. NARS-30281TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human NARS with N terminal proprietary tag. Predicted MW 37.40 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	107 amino acids
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 Weight	37.400kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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Sequences of amino acids	PVEIKSFYMQRCPEDSRLTESVDVLMPNVGEIVGGSMRIF DSEEILAGYKREGIDPT PYYWYTDQRKYGTCPHGGYGLGL ERFLTWILNRYHIRDVCLYPRFVQRCT
Sequence Similarities	Belongs to the class-II aminoacyl-tRNA synthetase family.
GENE INFORMATION	
Gene Name	NARS asparaginyl-tRNA synthetase [Homo sapiens]
Official Symbol	NARS
Synonyms	NARS; asparaginyl-tRNA synthetase; asparaginyl-tRNA synthetase, cytoplasmic; asparagine tRNA ligase 1; cytoplasmic; NARS1;
Gene ID	4677
mRNA Refseq	NM_004539
Protein Refseq	NP_004530
MIM	108410
Uniprot ID	O43776
Chromosome Location	18q21.31
Pathway	Aminoacyl-tRNA biosynthesis, organism-specific biosystem; Aminoacyl-tRNA biosynthesis, conserved biosystem; Aminoacyl-tRNA biosynthesis, eukaryotes, organism-specific biosystem; Aminoacyl-tRNA biosynthesis, eukaryotes, conserved biosystem; Cytosolic tRNA aminoacylation, organism-specific biosystem;

Function

ATP binding; asparagine-tRNA ligase activity; ligase activity; nucleic acid binding; nucleotide binding;

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