

Product datasheet for **TP303201M**

NARS2 (NM_024678) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human asparaginyl-tRNA synthetase 2, mitochondrial (putative) (NARS2), nuclear gene encoding mitochondrial protein, 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC203201 protein sequence
Red=Cloning site **Green**=Tags(s)

MLGVRCLLRVRFCSAPFPKHKPSAKLSVRDALGAQNASGERIKIQGWIRSVRSQKEVFLHVNDGSSL
ESLQVVADSGLDSRELTFGSSVEVQGLIKSPSKRQNVELKAEKIKVIGNCDAKDFPIKYKERHPLYLR
QYPHFRCRTNVLGSILRIRSEATAAIHSFFKDSGFVHIHTPIITSNDSEGAGELFQLEPSGKLVPEENF
FNVPAFLTVSGQLHLEVMSGAFQVFTFGPTFRAENSQSRRHLAEFYMIEAEISFVDSLQDLMQVIEELF
KATMMVLSKCPEDVELCHKFIAPGQKDRLEHMLKNNFLIISYTEAVEILKQASQNFTFTPEWGADLRTE
HEKYLVKHCGNIPVFVINYPLTLKPFYMRDNEDGPQHTVAAVDLLVPGVGEFGGGLREERYHFLEERLA
RSGLTEVYQWYLDLRRFGSVPHGGFGMGFERYLQCILGVDNIKDVIPFRPFHSCLL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 53.9 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_078954](#)

Locus ID: 79731

UniProt ID: [Q96159](#)

RefSeq Size: 2519

Cytogenetics: 11q14.1

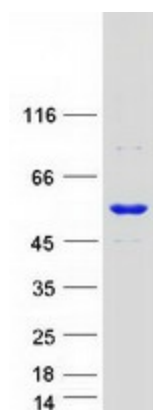
RefSeq ORF: 1431

Synonyms: asnRS; DFNB94; SLM5

Summary: This gene encodes a putative member of the class II family of aminoacyl-tRNA synthetases. These enzymes play a critical role in protein biosynthesis by charging tRNAs with their cognate amino acids. This protein is encoded by the nuclear genome but is likely to be imported to the mitochondrion where it is thought to catalyze the ligation of asparagine to tRNA molecules. Mutations in this gene have been associated with combined oxidative phosphorylation deficiency 24 (COXPD24). [provided by RefSeq, Mar 2015]

Protein Pathways: Aminoacyl-tRNA biosynthesis

Product images:



Coomassie blue staining of purified NARS2 protein (Cat# [TP303201]). The protein was produced from HEK293T cells transfected with NARS2 cDNA clone (Cat# [RC203201]) using MegaTran 2.0 (Cat# [TT210002]).