

Product datasheet for PH303201

NARS2 (NM_024678) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	NARS2 MS Standard C13 and N15-labeled recombinant protein (NP_078954)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203201
Predicted MW:	54.1 kDa
Protein Sequence:	>RC203201 protein sequence Red=Cloning site Green=Tags(s)

MLGVRCLLRSVRFCSSAPFPKHKPSAKLSVRDALGAQNASGERIKIQGWIRSVRSQKEVFLHVNDGSSL
ESLQVVADSGLDRELTGSSVEVQQLIKSPSKRQNVELKAEIKVIGNCDAKDFPIKYKERHPLEYLR
QYPHFRCRTNVLGSILRIRSEATAAIHSFFKDSGFVHIHTPIITSNDSEGAGELFQLEPSGKLVPEENF
FNVP AFLTVSGQLHLEVMSGAFTQVFTFGPTFRAENSQSRRLAEFYMIEAEISFVDSLQDLMQVIEELF
KATTMMVLSKCPEDVELCHKFIAPGQKDRLEHMLKNNFLIISYTEAVEILKQASQNFTFTPEWGADLRTE
HEKYL VKHCGNIPVFVINYPLTLKPFYMRDNEDGPQHTVAAVDLLVPGVGELFGGGLREERYHFLEERLA
RSGLTEVYQWYLDLRRFGSVPHGGFGMGFERYLQCILGVDNIKDVIPFRPHSCLL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_078954</u>
RefSeq Size:	2519
RefSeq ORF:	1431
Synonyms:	asnRS; DFNB94; SLM5



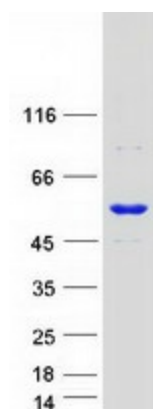
[View online »](#)

Locus ID: 79731
UniProt ID: [Q96I59](#)
Cytogenetics: 11q14.1

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]).