

Recombinant Human NARS2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NARS2-5506H Lot. No. (See product label)

SPECIFICATION

Product Overview	NARS2 MS Standard C13 and N15-labeled recombinant protein (NP_078954) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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).
Molecular Mass	54.1 kDa
AA Sequence	MLGVRCLLRSVRFCSSAPFPKHKPSAKLSVRDALGAQNASGERIKIQGWIRSVRSQ KEVLFLHVNDGSSLESLSQVVADSGLDRELTFGSSVEVQGGQLIKSPSKRQNVELKAE KIKVIGNCDAKDFPIKYKERHPLYLRQYPHFR CRTNVLGSILRIRSEATAAIHSFFKD SGFVHIHTPIITSNDSEGAGELFQLEPSGKLVPEENFFNVPAFLTVSGQLHLEVMSG AFTQVFTFGPTFRAENSQSRRHLAEFYMIEAEISFVDSLQDLMQVIEELFKATTMMVL SKCPEDVELCHKFIAPGQKDRLEHMLKNNFLIISYTEAVEILKQASQNFTFTPEWGAD LRTEHEKYLVKHCGNIPVFVINYPLTLKPFYMRDNEDGPQHTVAAVDLLVPGVGELF

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GGGLREERYHFLEERLARSGLTEVYQWYLDLRRFGSVPHGGFGMGFERYLQCILG
VDNIKDVIPFPRFPHSCLLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [NARS2 asparaginyl-tRNA synthetase 2, mitochondrial \[Homo sapiens \(human\) \]](#)

Official Symbol [NARS2](#)

Synonyms NARS2; asparaginyl-tRNA synthetase 2, mitochondrial (putative); probable asparagine--tRNA ligase, mitochondrial; asparagine tRNA ligase 2; mitochondrial (putative); FLJ23441; SLM5; asparagine--tRNA ligase; asparagine tRNA ligase 2, mitochondrial (putative); probable asparaginyl-tRNA synthetase, mitochondrial; asnRS;

Gene ID [79731](#)

mRNA Refseq [NM_024678](#)

Protein Refseq [NP_078954](#)

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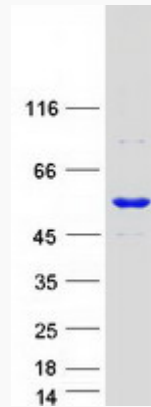
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MIM 612803

UniProt ID Q96I59

SDS-PAGE



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