

Recombinant Full Length Human NARS2 Protein, C-Flag-tagged

Cat. No. NARS2-2110HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human NARS2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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).
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	53.9 kDa
AA Sequence	MLGVRCLLRSVRFCSSAPFPKHKPSAKLSVRDALGAQNASGERIKIQGWIRSVRSQ KEVLFLHVNDGSSL ESLQVVADSGLDSRELTFGSSVEVQGQLIKSPSKRQNVELKA EKIKVIGNCDAKDFPIKYKERHPLYLR QYPHFRCRTNVLGSILRIRSEATAAIHSFFK DSGFVHIHTPIITSNDSEGAGELFQLEPSGKLKVPEENF FNVPAFLT VSGQLHLEVM SGAFTQVFTFGPTFRAENSQSRRHLAEFYMIEAEISFVDSLQDLMQVIEELF KATTM MVLSKCPEDVELCHKFIAPGQKDRLEHMLKNNFLIISYTEAVEILKQASQNFTFTPEW

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GADLRTE HEKYLVKHCGNIPVVFVINYPLTLKPFYMRDNEDGPQHTVAAVDLLVPGV
GELFGGGLREERYHFLEERLA RSGLTEVYQWYLDLRRFGSVPHGGFGMGFERYL
QCILGVDNIKDVIPFRFPHSCLL TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Pathways	Aminoacyl-tRNA biosynthesis
Full Length	Full L.

GENE INFORMATION

Gene Name	NARS2 asparaginyl-tRNA synthetase 2, mitochondrial [Homo sapiens (human)]
Official Symbol	NARS2
Synonyms	SLM5; asnRS; DFNB94
Gene ID	79731
mRNA Refseq	NM_024678.6

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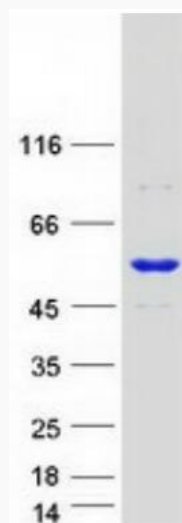
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Protein Refseq NP_078954.4

MIM 612803

UniProt ID Q96I59



Coomassie blue staining of purified NARS2 protein.

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