

Recombinant Mouse Nars2 Protein, His-tagged

Cat. No. Nars2-1815M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Nars2 Protein (Met276-Leu477) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Met276-Leu477
Description	Predicted to enable asparagine-tRNA ligase activity. Predicted to be involved in asparaginyl-tRNA aminoacylation. Predicted to act upstream of or within translation. Located in mitochondrion. Is expressed in embryo; extraembryonic component; and primitive endoderm. Human ortholog(s) of this gene implicated in autosomal recessive nonsyndromic deafness 94 and combined oxidative phosphorylation deficiency 24. Orthologous to human NARS2 (asparaginyl-tRNA synthetase 2, mitochondrial).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 26.8 kDa Accurate Molecular Mass: 27 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Nars2 asparaginyl-tRNA synthetase 2 (mitochondrial)(putative) [Mus musculus (house mouse)]
Official Symbol	Nars2
Synonyms	NARS2; asparaginyl-tRNA synthetase 2 (mitochondrial)(putative); probable asparagine--tRNA ligase, mitochondrial; asnRS; asparagine--tRNA ligase; probable asparaginyl-tRNA synthetase, mitochondrial; AI875199; MGC41336;
Gene ID	244141
mRNA Refseq	NM_153591
Protein Refseq	NP_705819

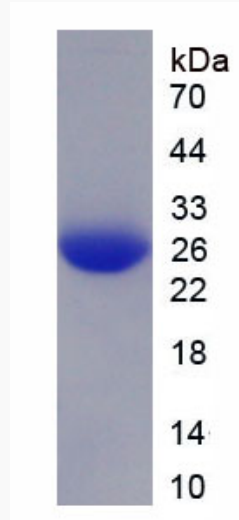
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UniProt ID

Q8BGV0



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