

Recombinant Rat Nars2 Protein, His-tagged

Cat. No. Nars2-1816R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Nars2 Protein (Arg148-Ala391) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Arg148-Ala391
Description	Predicted to enable asparagine-tRNA ligase activity. Predicted to be involved in asparaginyl-tRNA aminoacylation. Predicted to be located in cytosol and nucleoplasm. Predicted to be active in mitochondrion. 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: 31.5 kDa Accurate Molecular Mass: 32 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) [<i>Rattus norvegicus</i> (Norway rat)]
Official Symbol	Nars2
Synonyms	NARS2; asparaginyl-tRNA synthetase 2 (mitochondrial)(putative); probable asparaginyl-tRNA synthetase, mitochondrial; Nars2, similar to CG6796-PA; asparaginyl-tRNA synthetase 2, mitochondrial; RGD1305145; MGC125113;
Gene ID	293128
mRNA Refseq	NM_001034921
Protein Refseq	NP_001030093

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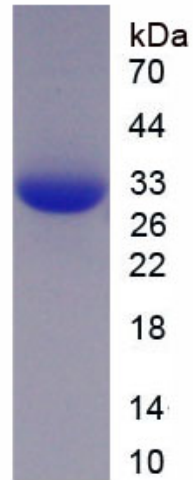
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UniProt ID

A0A0G2K7D7



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