

Recombinant Mouse Nags Protein, His-tagged

Cat. No. Nags-1812M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Nags Protein (Glu368-Cys519) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Glu368-Cys519
Description	Enables acetyl-CoA:L-glutamate N-acetyltransferase activity. Acts upstream of or within glutamate metabolic process. Located in mitochondrion. Human ortholog(s) of this gene implicated in N-acetylglutamate synthase deficiency and amino acid metabolic disorder. Orthologous to human NAGS (N-acetylglutamate synthase).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 21.3 kDa Accurate Molecular Mass: 23 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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

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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

PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in PBS or others.

GENE INFORMATION

Gene Name

[Nags N-acetylglutamate synthase \[Mus musculus \(house mouse\) \]](#)

Official Symbol

[Nags](#)

Synonyms

Nags; N-acetylglutamate synthase; argA; 1700120E20Rik; N-acetylglutamate synthase, mitochondrial; amino-acid N-acetyltransferase; amino-acid acetyltransferase; EC 2.3.1.1

Gene ID

[217214](#)

mRNA Refseq

[NM_145829](#)

Protein Refseq

[NP_665828](#)

UniProt ID

[Q8R4H7](#)

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