Recombinant Mouse Nanp Protein, His-tagged

Cat. No. Nanp-1813M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Nanp Protein (Met1-Val248) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Met1-Val248
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: 31.5 kDa Accurate Molecular Mass: 33 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	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Nanp N-acetylneuraminic acid phosphatase [Mus musculus (house mouse)]
Official Symbol	Nanp
Synonyms	NANP; N-acetylneuraminic acid phosphatase; N-acylneuraminate-9-phosphatase; neu5Ac-9-Pase; haloacid dehalogenase-like hydrolase domain containing 4; haloacid dehalogenase-like hydrolase domain-containing protein 4; Hdhd4; 1600031M04Rik; MGC103377;
Gene ID	67311
mRNA Refseq	NM_026086
Protein Refseq	NP_080362
UniProt ID	Q9CPT3

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