

Recombinant Mouse Nms protein, His & GST-tagged

Cat. No. Nms-7785M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Nms aa. (Leu31~Gln153 (Accession # Q5H8A1)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Leu31~Gln153
Description	This gene encodes a member of the neuromedin family of neuropeptides. The encoded protein is a precursor that is proteolytically processed to generate a biologically active neuropeptide that plays a role in the regulation of circadian rhythm, anorexigenic action, antidiuretic action, cardiovascular function and stimulation of oxytocin and vasopressin release. Mice lacking the encoded neuropeptide exhibit decreased heart rate without any accompanying changes in blood pressure. Alternative splicing results in multiple transcript variants encoding different isoforms that may undergo similar processing to generate the mature peptide.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 46.9kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 9.
Applications	SDS-PAGE; WB; ELISA; IP
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°C 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°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4

GENE INFORMATION

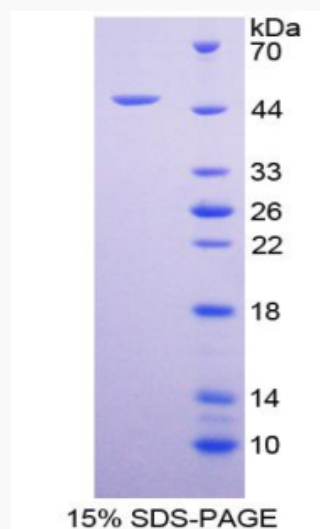
Gene Name	Nms neuromedin S [Mus musculus (house mouse)]
Official Symbol	Nms
Synonyms	Nms; neuromedin S; AB164466; neuromedin-S
Gene ID	433292
mRNA Refseq	NM_001011684.2
Protein Refseq	NP_001011684.3
UniProt ID	Q5H8A1

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SDS-PAGE



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