

Recombinant Human NMU protein, His & GST-tagged

Cat. No. NMU-5751H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human NMU aa. (Ala35~Ile158 (Accession # P48645)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ala35~Ile158
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 pain, stress, immune-mediated inflammatory diseases and feeding regulation. Increased expression of this gene was observed in renal, pancreatic and lung cancers. Alternative splicing results in multiple transcript variants encoding different isoforms. Some of these isoforms may undergo similar processing to generate the mature peptide.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 44.5kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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Characteristic	The isoelectric point is 9.8.
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

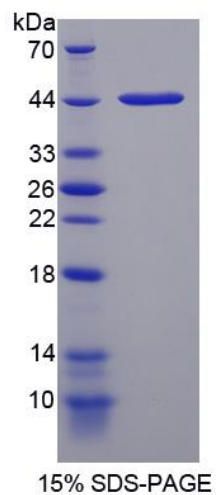
Gene Name	NMU neuromedin U [Homo sapiens (human)]
Official Symbol	NMU
Synonyms	NMU; neuromedin U; neuromedin-U; prepro-NMU
Gene ID	10874
mRNA Refseq	NM_001292045.1
Protein Refseq	NP_001278974.1
UniProt ID	P48645

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SDS-PAGE



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