

## Recombinant Human neuromedin B, His-tagged

Cat. No. NMB-208H Lot. No. (See product label)

### SPECIFICATION

|                         |  |
|-------------------------|--|
| <b>Product Overview</b> | NMB, 25-121aa, Human, His tag, E.coli  |
| <b>Species</b>          | Human  |
| <b>Source</b>           | E.coli   |
| <b>ProteinLength</b>    | 25-121 a.a.  |
| <b>Description</b>      | Neuromedin B, also known as NMB, belongs to the bombesin/neuromedin-B/ranatens in family and stimulates smooth muscle contraction in a manner similar to that of bombesin. Recombinant human NMB protein, fused to His-tag at N-terminus, was expressed in E.coli. |
| <b>Form</b>             | Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol  |
| <b>Molecular Mass</b>   | 13.2kDa (120aa)  |
| <b>AA Sequence</b>      | MGSSHHHHHH SGLVPRGSH MGSAPLSWDL PEPRSRASKI RVHSRGNLWA<br>TGHFMGKKSL EPSSPSPLGT APHTSLRDQR LQLSHDLLGI LLLKKALGVS<br>LSRPAPQIQY RRLLVQILQK   |
| <b>Purity</b>           | >85% by SDS - PAGE   |
| <b>Storage</b>          | Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.   |

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**Concentration** 0.5 mg/ml (determined by Bradford assay)

## GENE INFORMATION

**Gene Name** NMB neuromedin B [ Homo sapiens ]

**Official Symbol** NMB

**Synonyms** NMB; neuromedin B; neuromedin-B; MGC2277; MGC3936; MGC17211;

**Gene ID** 4828

**mRNA Refseq** NM\_021077

**Protein Refseq** NP\_066563

**MIM** 162340

**UniProt ID** P08949

**Chromosome Location** 15q11-qter

**Pathway** Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; G alpha (q) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; Peptide ligand-binding receptors, organism-specific biosystem; Signal Transduction, organism-specific biosystem; Signaling by GPCR, organism-specific biosystem;

**Function** hormone activity;

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