

# Recombinant Full Length Human NMB Protein, GST-tagged

**Cat. No.** NMB-6756HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human NMB full-length ORF ( AAH08603, 25 a.a. - 121 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>ProteinLength</b>    | 121 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | This gene encodes a member of the bombesin-like family of neuropeptides, which negatively regulate eating behavior. The encoded protein may regulate colonic smooth muscle contraction through binding to its cognate receptor, the neuromedin B receptor (NMBR). Polymorphisms of this gene may be associated with hunger, weight gain and obesity. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2015] |
| <b>Molecular Mass</b>   | 36.41 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>AA Sequence</b>      | APLSWDLPEPRSRASEIRVHSRGNLWATGHFMGKKSLEPSSPSPLGTATHTSLRDQ<br>RLQLSHDLLGILLKKALGVSLSRPAPQIQYRRLLVQILQK                                                                                                                                                                                                                                                                                                                                              |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array                                                                                                                                                                                                                                                                                                                                 |

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|-------------------------|--------------------------------------------------------------------------|
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.   |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing. |
| <b>Storage Buffer</b>   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |
| <b>GENE INFORMATION</b> |                                                                          |
| <b>Gene Name</b>        | NMB neuromedin B [ Homo sapiens ]                                        |
| <b>Official Symbol</b>  | NMB                                                                      |
| <b>Synonyms</b>         | NMB; neuromedin B; neuromedin-B; MGC2277; MGC3936; MGC17211;             |
| <b>Gene ID</b>          | 4828                                                                     |
| <b>mRNA Refseq</b>      | NM_021077                                                                |
| <b>Protein Refseq</b>   | NP_066563                                                                |
| <b>MIM</b>              | 162340                                                                   |
| <b>UniProt ID</b>       | P08949                                                                   |

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