

## Mouse NTS1 Protein

Cat. No. NTS-MM201

### Description

<b>Source</b>	Recombinant Mouse NTS1 Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Ser23-Leu162.
<b>Accession</b>	Q9D3P9
<b>Molecular Weight</b>	The protein has a predicted MW of 42.9 kDa. Due to glycosylation, the protein migrates to 48-51 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE

### Formulation and Storage

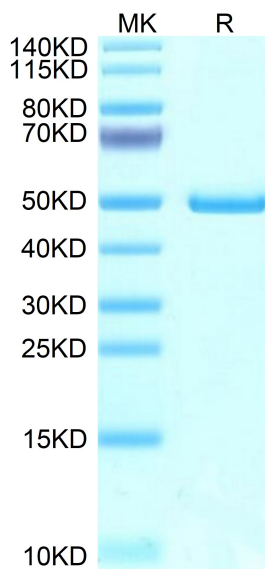
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution inPBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3-6 months after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

### Background

Crystal structures of neurotensin receptor subtype 1 (NTS1) allowed us to visualize the binding mode of the endogenous peptide hormone neurotensin and its pharmacologically active C-terminal fragment NT(8-13) within the orthosteric binding pocket of NTS1.

### Assay Data

#### Bis-Tris PAGE



Mouse NTS1 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.