

# Mouse Neuropilin-2 Protein

Cat. No. NRP-MM102

## Description

<b>Source</b>	Recombinant Mouse Neuropilin-2 Protein is expressed from Expi293 with His tag at the C-terminal. It contains Gln23-Leu859.
<b>Accession</b>	NP_001070871.1
<b>Molecular Weight</b>	The protein has a predicted MW of 95.3 kDa. Due to glycosylation, the protein migrates to 110-116 kDa based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per $\mu\text{g}$ by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

## Formulation and Storage

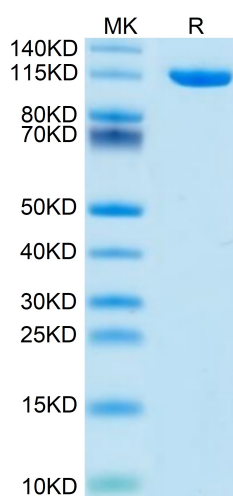
<b>Formulation</b>	Supplied as 0.22 $\mu\text{m}$ filtered solution in PBS (pH 7.4). Please dilute to the desired concentration according to the concentration of the solution shown on the product label.
<b>Storage</b>	Valid for 12 months from date of receipt when stored at $-80^{\circ}\text{C}$ . Recommend to aliquot the protein into smaller quantities for optimal storage. Please do not repeated freeze-thaw cycles.

## Background

Neuropilins (NRPs) are single transmembrane receptors with short cytoplasmic tails and are dependent on receptors like VEGF receptors or Plexins for signal transduction. NRPs are known to be important in angiogenesis, lymphangiogenesis, and axon guidance. The Neuropilin-family consists of two members, Neuropilin-1 (NRP1) and Neuropilin-2 (NRP2). NRP2 is important for migration, antigen presentation, phagocytosis and cell-cell contact within the immune system. Additionally, posttranslational NRP2 modifications like polysialylation are crucial for the function of some immune cells.

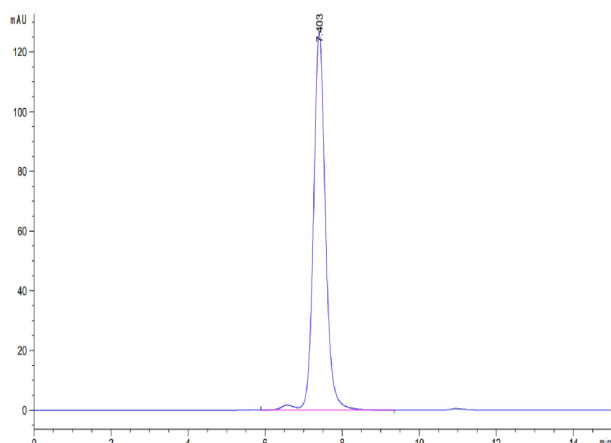
## Assay Data

### Tris-Bis PAGE



Mouse Neuropilin-2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC



The purity of Mouse Neuropilin-2 is greater than 95% as determined by SEC-HPLC.