

# Human Neuropilin-2 Protein

Cat. No. NRP-HM102



## Description

<b>Source</b>	Recombinant Human Neuropilin-2 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gln23-Pro859.
<b>Accession</b>	NP_003863.2
<b>Molecular Weight</b>	The protein has a predicted MW of 95.4 kDa. Due to glycosylation, the protein migrates to 110-115 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 0.1 EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

## Formulation and Storage

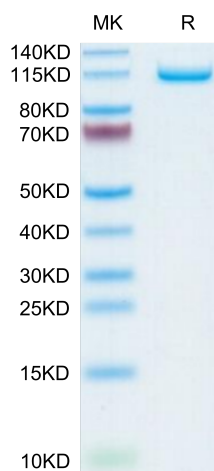
<b>Formulation</b>	Supplied as 0.22µm filtered solution in PBS (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## 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.

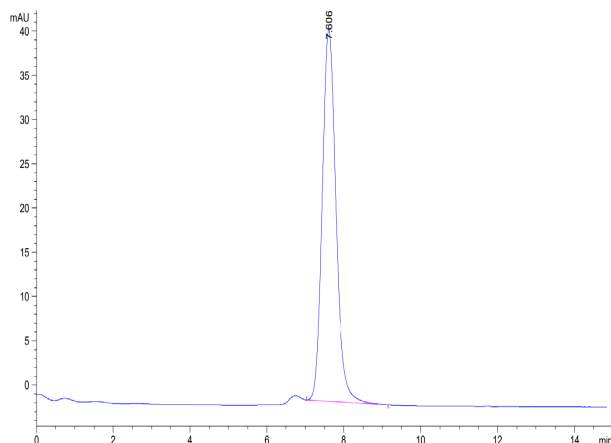
## Assay Data

### Bis-Tris PAGE



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

### SEC-HPLC



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