

Mouse Neuropilin-2 Protein

Cat. No. NRP-MM102

Description

Source	Recombinant Mouse Neuropilin-2 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gln23-Leu859.
Accession	NP_001070871.1
Molecular Weight	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.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage

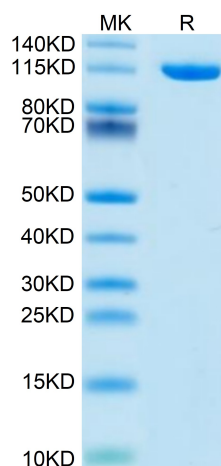
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state 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

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



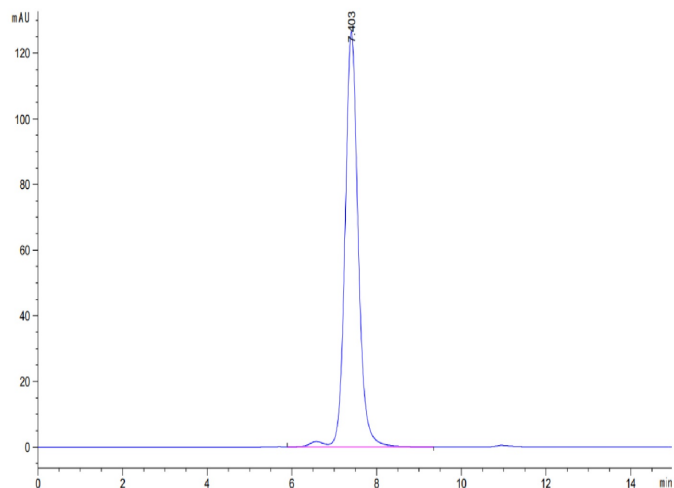
Mouse Neuropilin-2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Mouse Neuropilin-2 Protein

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Assay Data



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