

# Cynomolgus Neuropilin-1 Protein

Cat. No. NRP-CM101



## Description

<b>Source</b>	Recombinant Cynomolgus Neuropilin-1 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Phe22-Pro644.
<b>Accession</b>	XP_005564992.1
<b>Molecular Weight</b>	The protein has a predicted MW of 71.01 kDa. Due to glycosylation, the protein migrates to 80-100 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 > 95% as determined by HPLC

## Formulation and Storage

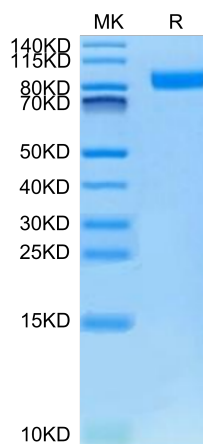
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein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

## Background

Neuropilin 1 (NRP1) is a transmembrane glycoprotein that acts as a co-receptor for a number of extracellular ligands including class III/IV semaphorins, certain isoforms of vascular endothelial growth factor and transforming growth factor beta.

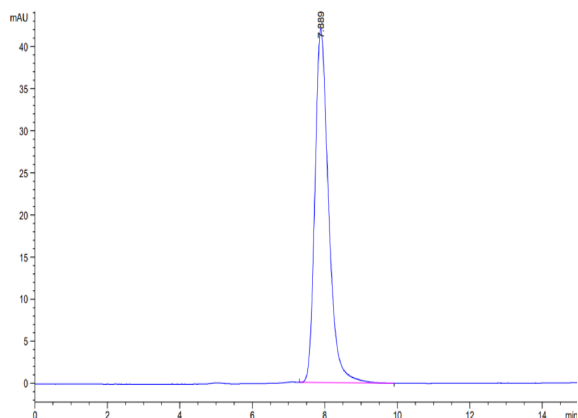
## Assay Data

### Bis-Tris PAGE



Cynomolgus Neuropilin-1 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC



The purity of Cynomolgus Neuropilin-1 is greater than 95% as determined by SEC-HPLC.