

Datasheet for ABIN7275371

NRP2 Protein (AA 23-859) (His tag)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µg
Target:	NRP2
Protein Characteristics:	AA 23-859
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NRP2 protein is labelled with His tag.

Product Details

Purpose:	Mouse Neuropilin-2 Protein
Sequence:	Gln23-Leu859
Characteristics:	Recombinant Mouse Neuropilin-2 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gln23-Leu859.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	NRP2
Alternative Name:	Neuropilin-2 (NRP2 Products)

Target Details

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.
Molecular Weight:	95.3 kDa. Due to glycosylation, the protein migrates to 110-116 kDa based on Tris-Bis PAGE result.
NCBI Accession:	NP_001070871
Pathways:	Signaling Events mediated by VEGFR1 and VEGFR2 , VEGFR1 Specific Signals

Application Details

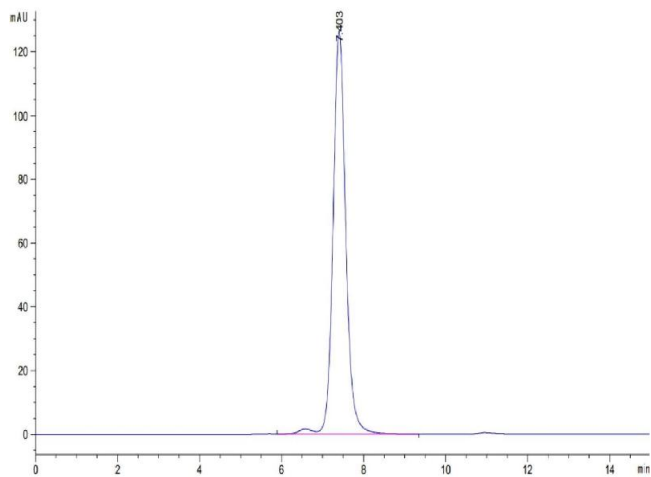
Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-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.
Expiry Date:	12 months

Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 1. The purity of Mouse Neuropilin-2 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

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

