

Active Recombinant Human NRP1 protein, His-Avi-tagged, Biotinylated

Cat. No. NRP1-8119H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human NRP1 protein(Phe 22 - Lys 644), fused with His and Avi tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Phe 22 - Lys 644
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
Bio-activity	Immobilized Human VEGF165, premium grade at 2 µg/mL (100 µL/well) can bind Biotinylated Human Neuropilin-1, His,Avitag with a linear range of 0.5-16 ng/mL.
Molecular Mass	This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag)The protein has a calculated MW of 73.5 kDa. The protein migrates as 90-100 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	For long term, the product should be stored at lyophilized state at -20°C or lower.Please avoid repeated freeze-thaw cycles. This product is stable after at:

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-20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

Conjugation

Biotin

GENE INFORMATION

Gene Name

NRP1 neuropilin 1 [Homo sapiens]

Official Symbol

NRP1

Synonyms

NRP1; neuropilin 1; neuropilin-1; CD304; NRP; VEGF165R; transmembrane receptor; vascular endothelial cell growth factor 165 receptor; NP1; BDCA4; DKFZp781F1414; DKFZp686A03134;

Gene ID

8829

mRNA Refseq

NM_001024628

Protein Refseq

NP_001019799

MIM

602069

UniProt ID

O14786

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