

Active Recombinant Human NRP1 protein(Met1-Lys644), His&Avi-tagged, Biotinylated

Cat. No. NRP1-1365H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human NRP1 (NP_001019799.1) (Met1-Lys644) was expressed in HEK293 with a c-terminal polyhistidine tagged AVI tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	Met1-Lys644
Conjugation/Label	Biotin
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized VEGF165 at 10 µg/mL (100 µL/well) can bind Human Neuropilin-1, Biotinylated, the EC50 of Human Neuropilin-1, Biotinylated is 300-600 ng/mL.
Molecular Mass	The recombinant Human NRP1 consists of 649 amino acids and predicts a molecular mass of 73.1 kDa.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.

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Purity	> 95 % as determined by SDS-PAGE.
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
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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