

Active Recombinant Human NRP1 protein, mFc-tagged

Cat. No. NRP1-3347H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human NRP1 protein(Phe 22 - Lys 644), fused with mFc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Phe 22 - Lys 644
Form	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, 25 mM Arginine, 150 mM NaCl, pH7.5 with trehalose as protectant.
Bio-activity	Immobilized Human VEGF165, His Tag at 2 µg/mL (100 µL/well) can bind Human Neuropilin-1, Mouse IgG2a Fc Tag with a linear range of 0.2-5 ng/mL.
Molecular Mass	This protein carries a mouse IgG2a Fc tag at the C-terminusThe protein has a calculated MW of 96.7 kDa. The protein migrates as 110-130 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 0.1 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE. >90% as determined by SEC-MALS.
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.

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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