

## Active Recombinant Human NRP1 protein, Fc-tagged

Cat. No. NRP1-0566H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human NRP1 protein(Phe22-Lys644), fused with Fc tag, was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	22-644 a.a.
<b>Form</b>	Lyophilized from 0.22 µm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5 with trehalose as protectant.
<b>Bio-activity</b>	Immobilized Human VEGF165, premium grade at 2 µg/mL (100 µL/well) can bind Human NRP1, Fc Tag with a linear range of 0.2-3 ng/mL. Immobilized Human NRP1, Fc Tag at 2 µg/mL (100 µL/well) can bind Biotinylated Human VEGF165, His,Avitag with a linear range of 0.008-0.25 µg/mL.
<b>Molecular Mass</b>	This protein carries a human IgG1 Fc tag at the C-terminusThe protein has a calculated MW of 96.5 kDa. The protein migrates as 105-130 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
<b>Proteinlength</b>	Phe22-Lys644
<b>Endotoxin</b>	Less than 1.0 EU per µg by the LAL method.

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<b>Purity</b>	>95% as determined by SDS-PAGE.
<b>Storage</b>	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	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

<b>Gene Name</b>	NRP1 neuropilin 1 [ Homo sapiens ]
<b>Official Symbol</b>	NRP1
<b>Synonyms</b>	NRP1; neuropilin 1; neuropilin-1; CD304; NRP; VEGF165R; transmembrane receptor; vascular endothelial cell growth factor 165 receptor; NP1; BDCA4; DKFZp781F1414; DKFZp686A03134;
<b>Gene ID</b>	8829
<b>mRNA Refseq</b>	NM_001024628
<b>Protein Refseq</b>	NP_001019799
<b>MIM</b>	602069
<b>UniProt ID</b>	O14786

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