Active Recombinant Human NRP1 protein, Fc-tagged

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

SPECIFICATION

Product Overview	Recombinant Human NRP1 protein(Phe22-Lys644), fused with Fc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	22-644 a.a.
Form	Lyophilized from 0.22 μm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5 with trehalose as protectant.
Bio-activity	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.
Molecular Mass	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.
Proteinlength	Phe22-Lys644
Endotoxin	Less than 1.0 EU per μg by the LAL method.

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Purity	>95% as determined by SDS-PAGE.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. 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.

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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