

Active Recombinant Mouse NRP1 protein(Phe22-Pro856), His-tagged

Cat. No. NRP1-0565M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse NRP1 (NP_032763.2) (Met1-Pro856) was expressed in HEK293 with a C-terminal polyhistidine tag.
Species	Mouse
Source	HEK293
ProteinLength	Phe22-Pro856
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 mNRP1h, the EC50 of mNRP1h is 30-120 ng/mL.
Molecular Mass	The recombinant mouse NRP1 consists of 846 amino acids and predicts a molecular mass of 95.12 kDa.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
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

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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.

GENE INFORMATION

Gene Name	Nrp1 neuropilin 1 [<i>Mus musculus</i>]
Official Symbol	NRP1
Synonyms	NRP1; neuropilin 1; neuropilin-1; A5 protein; transmembrane receptor; Neuropilin-1 precursor (A5 protein); Nrp; NP-1; Npn1; NPN-1; C530029I03;
Gene ID	18186
mRNA Refseq	NM_008737
Protein Refseq	NP_032763

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