

Active Recombinant Mouse Nrp2 protein, Fc-tagged

Cat. No. NRP2-10899M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Nrp2(Gln23-Asp863) fused with Fc of Mouse IgG2A(Glu98-Lys330) at C-terminal was expressed in NS0.
Species	Mouse
Source	Mammalian Cells
ProteinLength	23-863 a.a.
Predicted N Terminal	Gln23 predicted: no results obtained, sequencing might be blocked
Form	Lyophilized from a 0.2 µm filtered solution in PBS, pH 7.2.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized Recombinant Mouse Neuropilin-2 Fc Chimera at 5 µg/mL (100 µL/well) can bind Recombinant Human VEGF165 in the presence of 2 µg/mL of heparin with an apparent Kd <1nM.
Molecular Mass	Predicted Molecular Mass: 122 (monomer) kDa; SDS-PAGE: 125-135 kDa, reducing conditions.
Endotoxin	<0.10 EU per 1 µg of the protein by the LAL method.
Purity	>95%, by SDS-PAGE with silver staining
Storage	Avoid repeated freeze-thaw cycles.

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12 months from date of receipt, -20 to -70 centigrade as supplied.
1 month, 2 to 8 centigrade under sterile conditions after reconstitution.
3 months, -20 to -70 centigrade under sterile conditions after reconstitution.

Reconstitution Reconstitute at 100 µg/mL in PBS.

GENE INFORMATION

Gene Name Nrp2 neuropilin 2 [*Mus musculus*]

Official Symbol Nrp2

Synonyms NRP2; neuropilin 2; neuropilin-2; vascular endothelial cell growth factor 165 receptor 2; Np2; Np-2; Npn2; Npn-2; 1110048P06Rik;

Gene ID 18187

mRNA Refseq NM_001077403

Protein Refseq NP_001070871

UniProt ID O35375

Chromosome Location 1; 1 C2

Pathway Axon guidance, organism-specific biosystem; Developmental Biology, organism-specific biosystem; L1CAM interactions, organism-specific biosystem; Neuropilin interactions with VEGF and VEGFR, organism-specific biosystem; NrCAM interactions, organism-specific biosystem; Signal Transduction, organism-specific biosystem; Signaling by VEGF, organism-specific biosystem;

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Function

heparin binding; metal ion binding; protein binding; receptor activity; semaphorin receptor activity;

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