

Recombinant Human NRP2 protein, His & T7-tagged

Cat. No. NRP2-8250H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NRP2 aa. (Gly231~Val490 (Accession # O60462)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Gly231~Val490
Description	This gene encodes a member of the neuropilin family of receptor proteins. The encoded transmembrane protein binds to SEMA3C protein {sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C} and SEMA3F protein {sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3F}, and interacts with vascular endothelial growth factor (VEGF). This protein may play a role in cardiovascular development, axon guidance, and tumorigenesis. Multiple transcript variants encoding distinct isoforms have been identified for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 33.0kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 7.3.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH ₂ O.

GENE INFORMATION

Gene Name	NRP2 neuropilin 2 [Homo sapiens (human)]
Official Symbol	NRP2
Synonyms	NRP2; neuropilin 2; NP2; NPN2; PRO2714; VEGF165R2; neuropilin-2; neuropilin-2a(17); neuropilin-2a(22); neuropilin-2b(0); receptor for VEGF165 and semaphorins class3; vascular endothelial cell growth factor 165 receptor 2
Gene ID	8828

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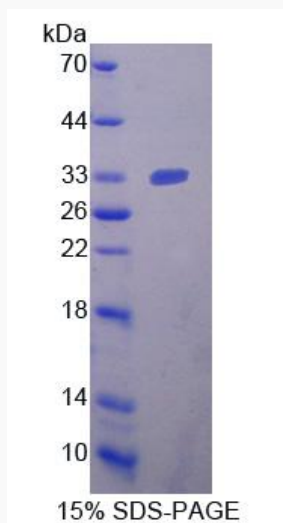
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mRNA Refseq NM_003872.2

Protein Refseq NP_003863.2

UniProt ID O60462

SDS-PAGE



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