

Recombinant Human NRP2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NRP2-4970H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NRP2 MS Standard C13 and N15-labeled recombinant protein (NP_957718) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	102.3 kDa
AA Sequence	MTFYSPAVMNYSVPGSTSNLDGGPVRLSTSPNVLWPTSGHLSPLATHCQSSLLYAE PQKSPWCEARSLEHTLPVNRET LKRKLSGSSCASPVTSPNAKRDAHFPCVCS DYAS GYHYGVWSCEGCKAFFKRSIQGHNDYICPATNQCTIDKNRRKSCQACRLRKCYEV GMVKCGSR RERC GYRIVRRQRSSSEQVHCLSKAKRNGGHAPRVKELLSTLSPEQ LVLTLLEAEPPNVLVSRPSMPFTEASMMMSLTKLADKELVHMIGWAKKIPGFVELSLL

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DQVRLLESCWMEVLMVGLMWRSIDHPGKLIFAPDLVDRDEGKCVEGILEIFDMLLA
TTSRFRELKLQHKEYLCVKAMILLNSSMYPLASANQEAESSRKLTHLLNAVTDALVW
VIAKSGISSQQQSVRLANLLMLLSHVRHISNKGMEHLLSMKCKNVVPVYDLLLEMLN
AHTLRGYKSSISGSECSSTEDSKNKESSQNLQSQTRTRPLEQKLISEEDLAANDILDY
KDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [NRP2 neuropilin 2 \[Homo sapiens \(human\) \]](#)

Official Symbol [NRP2](#)

Synonyms NRP2; neuropilin 2; neuropilin-2; VEGF165R2; neuropilin-2b(0); neuropilin-2a(17); neuropilin-2a(22); receptor for VEGF165 and semaphorins class3; vascular endothelial cell growth factor 165 receptor 2; NP2; NPN2; PRO2714; MGC126574;

Gene ID [8828](#)

mRNA Refseq [NM_201266](#)

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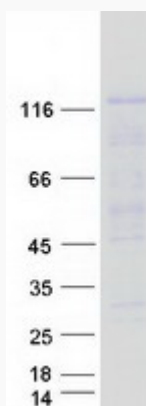
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Protein Refseq NP_957718

MIM 602070

UniProt ID O60462

SDS-PAGE



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