

## Product datasheet for **TP320920M**

### **NRP2 (NM\_201266) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human neuropilin 2 (NRP2), transcript variant 1, 100 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC220920 representing NM_201266 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MTFYSPAVMNYSVPGSTSNLDGGPVRLSTSPNVLWPTSGHLSPLATHCQSSLLYAEPQKSPWCEARSLEH  
TLPVNRETLKRKLSGSSCASPVTSPNAKRDAHFPCVCSYASGYHYGVWVSCGCKAFFKRISIQGHNDYIC  
PATNQCTIDKNRRKSCQACRLRKCYEVGMVKCGSRRERCGYRIVRRQRSSEQVHCLSKAKRNGGHAPRV  
KELLSTLSPEQLVLTLLAEPNVLSRPSMPFTEASMMMSLTKLADKELVHMIGWAKKIPGFVELSLL  
DQVRLLESCWMEVLMVGLMWRSIDHPGKLIFAPDLVDRDEGKCEGILEIFDMLLATTSRFRELKLQHK  
EYLCVKAMILLNSSMYPLASANQEAESSRKLTHLLNAVTDALVWVIAKSGISSQQQSVRLANLLMLLSHV  
RHISNKGMEHLLSMKCKNVVPVYDLLLEMLNAHTLRGKSSISGSECSSTEDSKNKESSQNLQSQ

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	102.3 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<u><a href="#">NP_957718</a></u>



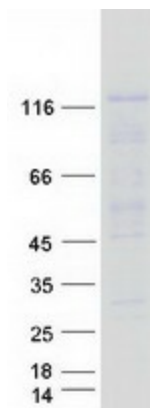
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Locus ID: 8828  
UniProt ID: [O60462](#), [Q7Z3T9](#)  
RefSeq Size: 6671  
Cytogenetics: 2q33.3  
RefSeq ORF: 2793  
Synonyms: NP2; NPN2; PRO2714; VEGF165R2

**Summary:** 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. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome, Transmembrane

### Product images:



Coomassie blue staining of purified NRP2 protein (Cat# [TP320920]). The protein was produced from HEK293T cells transfected with NRP2 cDNA clone (Cat# [RC220920]) using MegaTran 2.0 (Cat# [TT210002]).