

## Product datasheet for **TP303508M**

### Neuropilin 1 (NRP1) (NM\_001024628) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human neuropilin 1 (NRP1), transcript variant 2, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC203508 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MERGLPLLCAVLALVLPAGAFRNDKCGDTIKIESPGYLTSPGYPHSYHPSEKCEWLIQAPDPYQRIMIN FNPHFDLEDRDCKYDYVEVFDGENENGHFRGKFCGKIAPPPVSSGPFLFIKFVSDYETHGAGFSIRYEI FKRGPECSQNYTTPSGVIKSPGFPEKYPNSLECTYIVFAPKMSEIILEFESFDLEPDSNPPGGMFRCYDR LEIWDGFPDVGPHIGRYCGQKTPGRIRSSSGILSMVFYDLSAIAKEGFSANYSVLQSSVSEDFKCMEALG MESGEIHSQITASSQYSTNWSAERSRLNYPENGWTPGEDSYREWIQVDLGLLRFTAVGTQGAISKETK KKYYVKTYKIDVSSNGEDWITIKEGNKPVLFGNTNPTDWWAVFPKPLITRFVRIKPATWETGISMRFE VYGCKITDYPCSGMLGMVSGGLISDSQITSSNQGDRNWMPENIRLVTSSRGWALPPAPHSYINEWLQIDLG EEKIVRGIHQGGKHRENKVFMRKFKIGYSNNGSDWKMIMDDSKRKAKEFEGNNNYDTPELRTFPALSTR FIRIYPERATHGGLGLRMELLGCEVEAPTAGPTTPNGNLVDECDDQANCHSGTGDDDFQLTGGTTVLATE KPTVIDSTIQSGIK</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
Tag:	C-Myc/DDK
Predicted MW:	71.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_001019799](#)

**Locus ID:** 8829

**UniProt ID:** [O14786](#), [Q68DN3](#), [O14786-2](#), [C9JJV3](#)

**RefSeq Size:** 2478

**Cytogenetics:** 10p11.22

**RefSeq ORF:** 1932

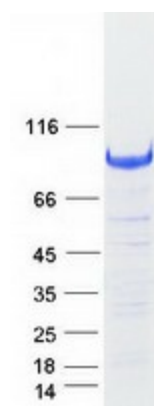
**Synonyms:** BDCA4; CD304; NP1; NRP; VEGF165R

**Summary:** This gene encodes one of two neuropilins, which contain specific protein domains which allow them to participate in several different types of signaling pathways that control cell migration. Neuropilins contain a large N-terminal extracellular domain, made up of complement-binding, coagulation factor V/VIII, and meprin domains. These proteins also contains a short membrane-spanning domain and a small cytoplasmic domain. Neuropilins bind many ligands and various types of co-receptors; they affect cell survival, migration, and attraction. Some of the ligands and co-receptors bound by neuropilins are vascular endothelial growth factor (VEGF) and semaphorin family members. This protein has also been determined to act as a co-receptor for SARS-CoV-2 (which causes COVID-19) to infect host cells. [provided by RefSeq, Nov 2020]

**Protein Families:** Druggable Genome, Secreted Protein, Transmembrane

**Protein Pathways:** Axon guidance

### Product images:



Coomassie blue staining of purified NRP1 protein (Cat# [TP303508]). The protein was produced from HEK293T cells transfected with NRP1 cDNA clone (Cat# [RC203508]) using MegaTran 2.0 (Cat# [TT210002]).