

## Product datasheet for PH310928

### NRP2 (NM\_201267) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	NRP2 MS Standard C13 and N15-labeled recombinant protein (NP_957719)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210928
Predicted MW:	101.4 kDa
Protein Sequence:	>RC210928 protein sequence Red=Cloning site Green=Tags(s)

MDMFPLTWVFLALYFSRHQVRGQPDPPCGRLNSKDAGYITSPGYPDYPSHQCEWIVYAPEPNQKIVL  
NFNPHFEIEKHCKYDFIEIRDGSEADLLGKHCGNIAPPTIISSGSMYIKFTSDYARQGAGFSRLRYE  
IFKTGSEDCSKNFTSPNGTIESPGFPEKYPHNLDCTFTILAKPKMEIILQFLIFDLEHDPLQVGECDCKY  
DWLDIWDGIPHVGPLIGKYCGTKTPSELRSSTGILSLTFHTDMAVAKDGFSAARYLVHQEPLNFQCNVP  
LGMESGRIANEQISASSTYSDGRWTPQQSRLHGDDNGWTPNLDSNKEYLQVDRFLTMLTAIATQGAISR  
ETQNGYVYKSYKLEVSTNGEDWMVYRHGKNHKVFQANNDATEVVLNKLHAPLLTRFVRIRPQTWHSGLI  
RLELFGCRVTDAPCSNMLGMLSGLIADSQISASSTQEYLWSPAARLVSSRSGWFPRIQAQPGEEWLQV  
DLGTPKTVKGVIIQGARGDSITAVEARAFVRKFKVSYSLNGKDEWEYIQDPRTQQPKLFEQNMHYDTPDI  
RRFDPIPAQYVRYPERWSPAGIGMRLEVLGCDWTDKPTVETLGPVKSEETTPYPTEEEATECGENC  
SFEDDKDLQLPSGFNCNFDLFLEPCGWMYDHAKWLRRTTWASSSPNDRTPDDRNLRLQSDSQREGQYA  
RLISPPVHLPRSPVCMFQYQATGGRGVALQVVREASQESKLLWVIREQGGGEWKHGRIILPSYDMEYQI  
VFEGVIGKGRSGEIAIDDIRISTDVPLENCMEPISAFAGGTLPLGTEPTVDTVPMQPIPAYWYVMAAGG  
AVLVLVVALALVLHYHRFRYAAKKTDHSITYKTSHYTNGAPLAVEPTLTIKLEQDRGSHC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.



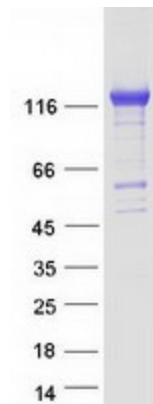
[View online »](#)

RefSeq:	<u>NP_957719</u>
RefSeq Size:	4148
RefSeq ORF:	2703
Synonyms:	NP2; NPN2; PRO2714; VEGF165R2
Locus ID:	8828
UniProt ID:	<u>O60462, Q7Z3T9</u>
Cytogenetics:	2q33.3

**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# [TP310928]). The protein was produced from HEK293T cells transfected with NRP2 cDNA clone (Cat# [RC210928]) using MegaTran 2.0 (Cat# [TT210002]).