

## Product datasheet for **TP726762**

### **Nrp1 Mouse Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant Mouse Neuropilin-1/NRP1 (C-6His)
<b>Species:</b>	Mouse
<b>Expression cDNA Clone or AA Sequence:</b>	Phe22-Pro856
<b>Tag:</b>	C-6His
<b>Buffer:</b>	Lyophilized from a 0.2 um filtered solution of PBS,pH7.4.
<b>Note:</b>	Recombinant Mouse Neuropilin-1 is produced by our Mammalian expression system and the target gene encoding Phe22-Pro856 is expressed with a 6His tag at the C-terminus.
<b>Stability:</b>	12 months from date of despatch
<b>Locus ID:</b>	18186
<b>UniProt ID:</b>	<a href="#">P97333</a>
<b>Summary:</b>	Neuropilin-1 (Npn-1, previously neuropilin; also CD304) is a 130 - 140 kDa type I transmembrane (TM) glycoprotein that regulates axon guidance and angiogenesis. Two homologues, Neuropilin-1 and Neuropilin-2, are identified. Neuropilin-1 binds to semaphorin 3A, The PLGF-2 isoform of PGF, The VEGF-165 isoform of VEGF and VEGF-B. Coexpression with KDR results in increased VEGF-165 binding to KDR as well as increased chemotaxis. It may regulate VEGF-induced angiogenesis. The soluble isoform 2 binds VEGF-165 and appears to inhibit its binding to cells. NRP1 expression is regulated in EC by tumor necrosis factor-alpha, the transcription factors dHAND and Ets-1, and vascular injury. NRP1 upregulation is positively correlated with the progression of various tumors.



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