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## DATASHEET

Recombinant rat Neuropilin-1 / NRP1 protein

### Product overview

<b>Name</b>	Recombinant rat Neuropilin-1 / NRP1 protein
<b>Cat No</b>	HB8780
<b>Species of origin</b>	rat
<b>Alternative names</b>	Recombinant Rat Neuropilin 1, Neuropilin-1, Vascular endothelial cell growth factor 165 receptor, CD304, Nrp1.
<b>Purity</b>	>90%
<b>Description</b>	Recombinant rat Neuropilin-1 protein

### Solubility & Handling

<b>Handling</b>	<ul style="list-style-type: none"><li>• Solutions should be made in sterile deionized water (not less than 100 µg/ml). This solution can then be further diluted with other aqueous solutions.</li><li>• Following reconstitution, solutions may be stored at 4°C and are useable for around 2-7 days and for future use store at -18°C.</li><li>• For long term storage, a carrier protein (0.1% HSA or BSA) should be added to stock solutions. Solutions should be aliquoted into tightly sealed vials for storage at -20°C. Freeze-thaw cycles should be prevented.</li></ul>
<b>Important</b>	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use

### Chemical Data

<b>UniProt ID</b>	Q9QWJ9
<b>Source</b>	Sf9, Baculovirus cells.
<b>Appearance</b>	Colourless solution (sterile filtered)
<b>Formulation</b>	Solution (0.25mg/ml) containing PBS (pH 7.4) and 10% glycerol

### References

#### Neuropilin 1: function and therapeutic potential in cancer

Chaudhary B *et al* (2014) Cancer Immunol Immunother 63(2)

**PubMedID** [24263240](#)

#### Neuropilin-1 expression in cancer and development

Jubb AM *et al* (2012) J Pathol 226(1)

**PubMedID** [22025255](#)

#### Neuropilin-1 mediates vascular permeability independently of vascular endothelial growth factor receptor-2 activation

Roth L *et al* (2016) Sci Signal 9(425)

**PubMedID** [27117252](#)

