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## DATASHEET

Recombinant human Neuropilin-1 / NRP1 protein

### Product overview

|                               |   |
|-------------------------------|---|
| <b>Name</b>                   | Recombinant human Neuropilin-1 / NRP1 protein   |
| <b>Cat No</b>                 | HB7292  |
| <b>Biological description</b> | Neuropilin-1 takes part in cell survival, angiogenesis, invasion, migration, and axon guidance.                                   |
| <b>Species of origin</b>      | human   |
| <b>Alternative names</b>      | NRP1 Human, Neuropilin-1 isoform a, NRP1, BDCA4, CD304, NP1, NRP, VEGF165R, Vascular endothelial cell growth factor 165 receptor. |
| <b>Purity</b>                 | >90%  |
| <b>Description</b>            | Membrane-bound coreceptor   |

### 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>  | O14789  |
| <b>Source</b>      | Sf9, Baculovirus cells.                                       |
| <b>Appearance</b>  | Colourless solution (sterile filtered)                        |
| <b>Formulation</b> | Solution (0.25mg/ml) containing PBS (pH7.4) and 20% 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](#)

