

**PRODUCT INFORMATION**

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|---|---|
| <b>Target</b>                           | NRP1  |
| <b>Synonyms</b>                         | Neuropilin-1, CD304   |
| <b>Description</b>                      | Recombinant human NRP1 protein with C-terminal 6×His tag  |
| <b>Delivery</b>                         | In Stock  |
| <b>Uniprot ID</b>                       | O14786  |
| <b>Expression Host</b>                  | HEK293  |
| <b>Tag</b>                              | C-6×His Tag   |
| <b>Molecular Characterization</b>       | NRP1(Phe22-Pro856) 6×His tag  |
| <b>Molecular Weight</b>                 | The protein has a predicted molecular mass of 94.6 kDa after removal of the signal peptide. The apparent molecular mass of NRP1-His is approximately 100-130 kDa due to glycosylation.  |
| <b>Purity</b>                           | The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.  |
| <b>Formulation &amp; Reconstitution</b> | Lyophilized from sterile PBS, pH 7.4. Normally 5% - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.   |
| <b>Storage &amp; Shipping</b>           | Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.   |
| <b>Background</b>                       | 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] |
| <b>Usage</b>                            | Research use only   |



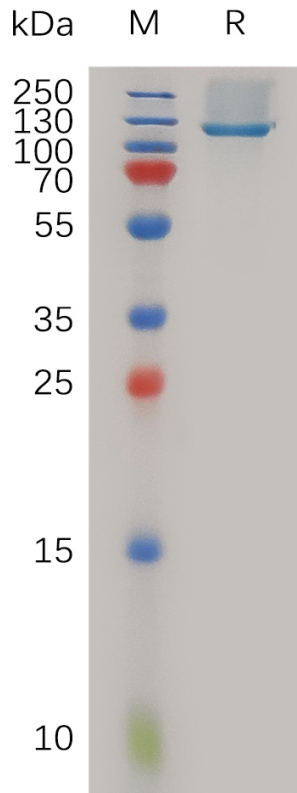


Figure 1. Human NRP1 Protein, His Tag on SDS-PAGE under reducing condition.

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