

PRODUCT INFORMATION

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| Target | NRP1 |
| Synonyms | Neuropilin-1, CD304 |
| Description | Recombinant human NRP1 protein with C-terminal 6×His tag |
| Delivery | In Stock |
| Uniprot ID | O14786 |
| Expression Host | HEK293 |
| Tag | C-6×His Tag |
| Molecular Characterization | NRP1(Phe22-Pro856) 6×His tag |
| Molecular Weight | 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. |
| Purity | The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining. |
| Formulation & Reconstitution | 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. |
| Storage&Shipping | 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. |
| Background | 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] |
| Usage | Research use only |
| Conjugate | Unconjugated |



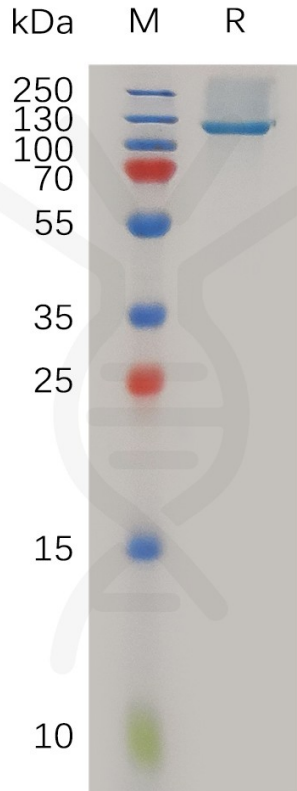


Figure 1. Human NRP1 Protein, His Tag on SDS-PAGE under reducing condition.

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