PRODUCT INFORMATION

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

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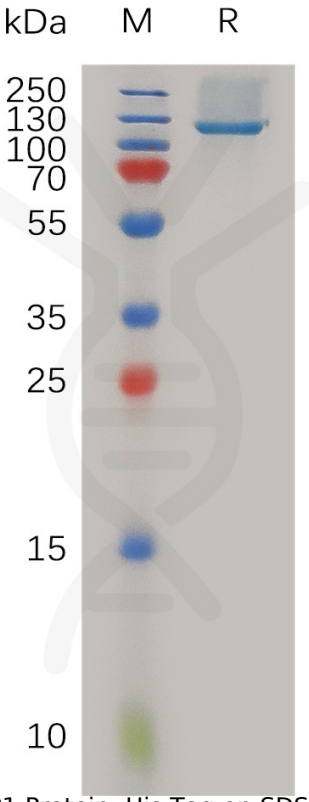


Figure 1. Human NRP1 Protein, His Tag on SDS-PAGE under reducing condition.

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