

## Recombinant Human NRP1 Protein, His-tagged

Cat. No. NRP1-1159H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human NRP1 Protein (Cys27-Asp444) with His tag was expressed in 293F.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Protein Length</b>	Cys27-Asp444
<b>Description</b>	<p>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.</p>
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 48.6 kDa; Accurate Molecular Mass: 60 kDa
<b>Purity</b>	> 95%

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<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.
<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">NRP1 neuropilin 1 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	<a href="#">NRP1</a>
<b>Synonyms</b>	NRP1; neuropilin 1; neuropilin-1; CD304; NRP; VEGF165R; transmembrane receptor; vascular endothelial cell growth factor 165 receptor; NP1; BDCA4; DKFZp781F1414; DKFZp686A03134;
<b>Gene ID</b>	<a href="#">8829</a>
<b>mRNA Refseq</b>	<a href="#">NM_001024628</a>
<b>Protein Refseq</b>	<a href="#">NP_001019799</a>

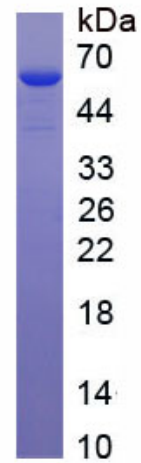
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