

Recombinant Human NRP1 protein, His-tagged

Cat. No. NRP1-804H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human NRP1 aa. (Cys27~Arg143 (Accession # O14786)) fused with N-terminal His tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Cys27~Arg143
Description	<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. Several alternatively spliced transcript variants that encode different protein isoforms have been described for this gene.</p>
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 15.0kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)

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Purity	>95%
Characteristic	The isoelectric point is 6.5.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	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°C 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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH ₂ O.

GENE INFORMATION

Gene Name	NRP1 neuropilin 1 [Homo sapiens (human)]
Official Symbol	NRP1
Synonyms	NP1; NRP; BDCA4; CD304; VEGF165R; transmembrane receptor; vascular endothelial cell growth factor 165 receptor; neuropilin-1
Gene ID	8829
mRNA Refseq	NM_001024628.2

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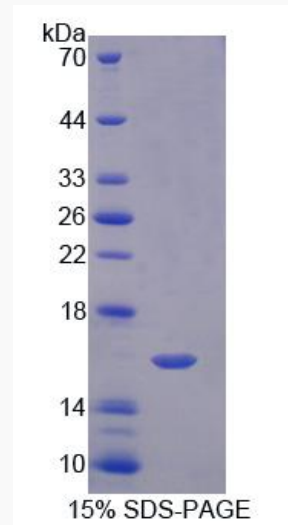
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Protein Refseq NP_001019799.1

UniProt ID O14786

SDS-PAGE



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