Datasheet for ABIN7491103

Neuropilin 1 Protein (NRP1) (AA 22-856) (His tag)

1 Image

Go to Product page

Overview

Quantity:	100 µg
Target:	Neuropilin 1 (NRP1)
Protein Characteristics:	AA 22-856
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Neuropilin 1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant human NRP1 protein with C-terminal 6xHis tag
Specificity:	NRP1 (Phe22-Pro856) 6xHis tag
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 85 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	Neuropilin 1 (NRP1)
Alternative Name:	CD304 (NRP1 Products)
Background:	This gene encodes one of two neuropilins, which contain specific protein domains which allow

Target Details

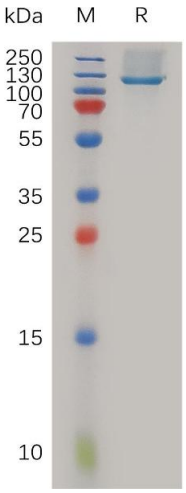
	them to participate in several different types of signaling pathways that control cell migration. Neuropilins contain a large N-terminal extracellular domain, made up of complement-binding, coagulation factor V/VIII, and meprin domains. These proteins also contains a short membrane-spanning domain and 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]
Molecular Weight:	predicted molecular mass of 94.6 kDa after removal of the signal peptide. The apparent molecular mass of CD304-His is 100-130 kDa due to glycosylation.
UniProt:	O14786
Pathways:	Regulation of Cell Size, Signaling Events mediated by VEGFR1 and VEGFR2, Smooth Muscle Cell Migration, Platelet-derived growth Factor Receptor Signaling, VEGFR1 Specific Signals

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	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.
Expiry Date:	12 months



SDS-PAGE

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