

Datasheet for ABIN7013261

**Neuropilin 1 Protein (NRP1) (AA 22-644) (mFc Tag)**[Go to Product page](#)**2** Images

## Overview

Quantity:	100 µg
Target:	Neuropilin 1 (NRP1)
Protein Characteristics:	AA 22-644
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This Neuropilin 1 protein is labelled with mFc Tag.

## Product Details

Characteristics:	Human Neuropilin-1 / NRP1 / CD304 Protein, Mouse IgG2a Fc Tag (MALS verified)
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 0.1 EU per µg by the LAL method.

## Target Details

Target:	Neuropilin 1 (NRP1)
Alternative Name:	Neuropilin-1 ( <a href="#">NRP1 Products</a> )
Background:	Neuropilin-1 (NRP1) is also known as Vascular endothelial cell growth factor 165 receptor (VEGF165R), CD antigen CD304, which belongs to the neuropilin family. The membrane-bound isoform 1 is a receptor involved in the development of the cardiovascular system, in angiogenesis, in the formation of certain neuronal circuits and in organogenesis outside the

Target Details

nervous system. It mediates the chemorepulsant activity of semaphorins. It binds to semaphorin 3A, The PLGF-2 isoform of PGF, The VEGF-165 isoform of VEGF and VEGF-B. Coexpression with KDR results in increased VEGF-165 binding to KDR as well as increased chemotaxis. It may regulate VEGF-induced angiogenesis. The soluble isoform 2 binds VEGF-165 and appears to inhibit its binding to cells.

Molecular Weight:	96.7 kDa
Pathways:	<a href="#">Regulation of Cell Size</a> , <a href="#">Signaling Events mediated by VEGFR1 and VEGFR2</a> , <a href="#">Smooth Muscle Cell Migration</a> , <a href="#">Platelet-derived growth Factor Receptor Signaling</a> , <a href="#">VEGFR1 Specific Signals</a>

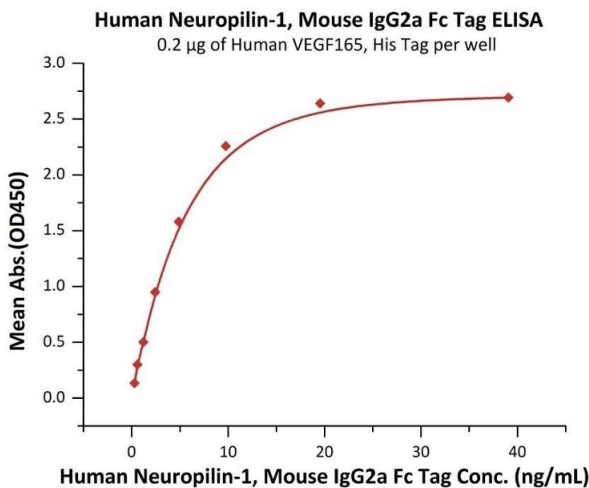
Application Details

Application Notes:	MALS verified
Restrictions:	For Research Use only

Handling

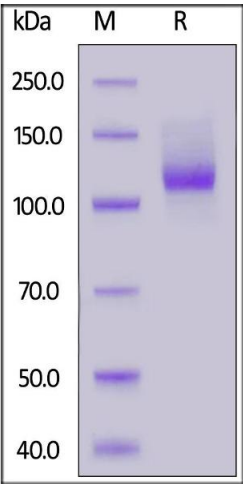
Format:	Lyophilized
Buffer:	50 mM Tris, 100 mM Glycine, 25 mM Arginine, 150 mM NaCl, pH 7.5
Storage:	-20 °C

Images



**ELISA**

**Image 1.** Immobilized Human VEGF165, His Tag (ABIN2181905,ABIN2181904) at 2 µg/mL (100 µL/well) can bind Human Neuropilin-1, Mouse IgG2a Fc Tag (ABIN6973172) with a linear range of 0.2-5 ng/mL (QC tested).



SDS-PAGE

**Image 2.** Human Neuropilin-1, Mouse IgG2a Fc Tag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95 % .