

Datasheet for ABIN6992419

Neuropilin 1 Protein (NRP1) (AA 22-856) (His tag)**2** Images[Go to Product page](#)

Overview

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

Product Details

Purpose:	Mouse Neuropilin-1 / NRP1 / CD304 Protein, His Tag
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	Neuropilin 1 (NRP1)
Alternative Name:	Neuropilin-1 (NRP1 Products)
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:	95.5 kDa
NCBI Accession:	NP_032763
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

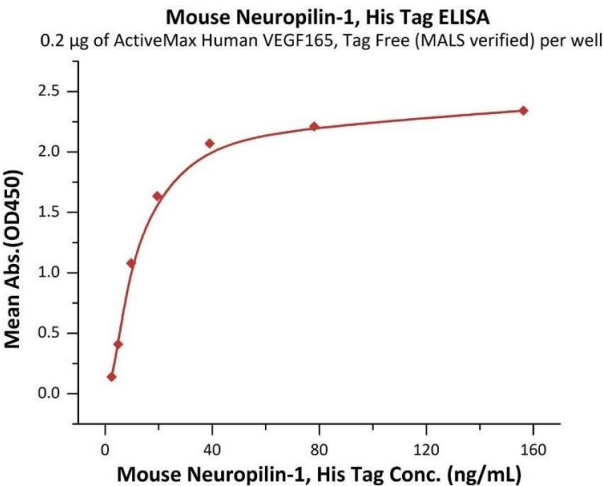
Application Details

Restrictions:	For Research Use only
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Handling

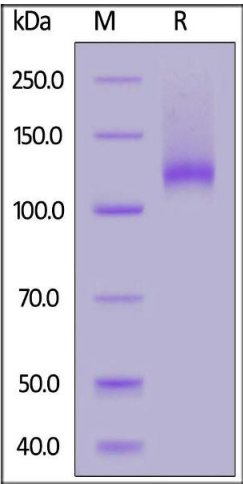
Format:	Lyophilized
Buffer:	PBS, pH 7.4
Storage:	-20 °C

Images



ELISA

Image 1. Immobilized Human VEGF165, Tag Free (MALS verified) (ABIN2181903,ABIN2693608,ABIN3071747) at 2 µg/mL (100 µL/well) can bind Mouse Neuropilin-1, His Tag (ABIN6992419) with a linear range of 2-10 ng/mL (QC tested).



SDS-PAGE

Image 2. Mouse Neuropilin-1, His Tag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90 % .