

Datasheet for ABIN6387813

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

## Overview

Quantity:	50 µg
Target:	Neuropilin 1 (NRP1)
Protein Characteristics:	AA 22-856
Origin:	Mouse
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Neuropilin 1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

## Product Details

Sequence:	FRSDKCGGTI KIENPGYLTS PGYPHSYHPS EKCEWLIQAP EPYQRIMINF NPHFDLEDRD CKYDYVEVID GENEGRRLWG KFCGKIAPSP VVSSGPFLFI KFVSDYETHG AGFSIRYEIF KRGPECSQNY TAPTGVKSP GFPEKYPNSL ECTYIIFAPK MSEIILEFES FDLEQDSNPP GGMFCRYDRL EIWDGFPEVG PHIGRYCGQK TPGRIRSSSG VLMSVFYTDS AIAKEGFSAN YSVLQSSISE DFKCMEALGM ESGEIHSQI TASSQYGTNW SVERSRLNYP ENGWTGPGEDS YKEWVQVDLG LLRFVTAVGT QGAISKETKK KYVVKTYRVD ISSNGEDWIS LKEGNKAIIF QGNTNPTDVV LGVFSKPLIT RFVRIKPVSW ETGISMRFEV YGCKITDYPC SGMLGMVSGL ISDSQITASN QADRNWMPEN IRLVTSRTGW ALPPSPHPYT NEWLQVDLGD EKIVRGVVIQ GGKHRENKVF MRKFKIAYSN NGSDWKTIMD DSKRKAJSFE GNNNYDTPPEL RTFSPLSTRF IRIYPERATH SGLGLRMELL GCEVEAPTAG PTPNGNPVD ECDDQANCH SGTGDDFQLT GGTTVLATEK PTIIDSTIQS EFPTYGFNCE FGWGSHTKFC HWEHDSHAQL RWSVLTSKTG PIQDHTGDGN FIYSQADENQ KGKVARLVSP VVYSQSSAHC MTFWYHMSG S HVGTLRVKLR
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## Product Details

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YQKPEEYDQL VWMVVGHQGD HWKEGRVLLH KSLKLYQVIF EGEIGKGNLG GIAVDDISIN  
NHISQEDCAK PTDLDKKNTE IKIDETGSTP GYEGEGEGDK NISRKPGNVL KTLDPLEHHH HHH

Purity: > 90 % by SDS - PAGE

Endotoxin Level: < 1.0 EU per 1 microgram of protein (determined by LAL method)

## Target Details

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Target: Neuropilin 1 (NRP1)

Alternative Name: Nrp1 ([NRP1 Products](#))

Background: Nrp1, also known as Neuropilin 1, is a transmembrane glycoprotein that acts as a co-receptor for a number of extracellular ligands including class III/IV semaphorins, certain isoforms of vascular endothelial growth factor and transforming growth factor beta. It binds vascular endothelial growth factor (VEGF)-A and is thought to act as a coreceptor for kinase insert domain-containing receptor (KDR) by associating with KDR and enhancing VEGF signaling. It is a marker of regulatory T cells. Recombinant mouse Nrp1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Molecular Weight: 94.7kDa (843aa) 100-150kDa (SDS-PAGE under reducing conditions)

NCBI Accession: [NP\\_032763](#)

UniProt: [P97333](#)

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

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Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: 0.25 mg/mL

Buffer: Liquid. In Phosphate Buffered Saline ( pH 7.4) containing 20 % glycerol.

Storage: 4 °C,-20 °C,-80 °C

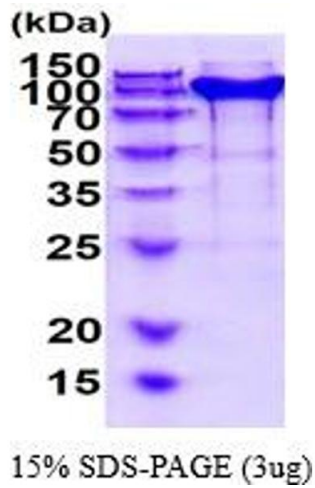
## Handling

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Storage Comment: Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

## Images

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### SDS-PAGE

Image 1.