

Datasheet for ABIN7529325

Neuropilin 1 Protein (NRP1) (AA 22-855) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	Neuropilin 1 (NRP1)
Protein Characteristics:	AA 22-855
Origin:	Rat
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 GENEGGRLWG KFCGKIAPSP VVSSGPFLFI KFVSDYETHG AGFSIRYEIF KRGPECSQNY TAPTGVIKSP GFPEKYPNSL ECTYIIFAPK MSEIILEFES FDLEQDSNPP GGVFCRYDRL EIWDGFPEVG PHIGRYCGQK TPGRIRSSSG ILSMVFYTDS AIAKEGFSAN YSVLQSSISE DFKCMEALGM ESGEIHSQI TASSQYGTNW SVERSRLNYP ENGWTPGEDS YREWIQVDLG LLRFVTAVGT QGAISKETKK KYVVKTYRVD ISSNGEDWIT LKEGNKAIIF QGNTNPTDVV FGVFPKPLIT RFVRIKPASW ETGISMRFEV YGCKITDYPC SGMLGMVSGL ISDSQITASN QGDRNWMPEN IRLVTSRTGW ALPPSPHPYI NEWLQVDLGD EKIVRGVIIQ GGKHRENKVF MRKFKIAYSN NGSDWKMIMD DSKRKAJSFE GNNNYDTPPEL RAFTPLSTRF IRIYPERATH SGLGLRMELL GCEVEVPTAG PTPPNGNPVD ECDDDQANCH SGTGDDFQLT GGTTVLATEK PTIIDSTIQS EFPTYGFNCE FGWGSHTKFC HWEHDSHAQL RWRVLTSTKG PIQDHTGDGN FIYSQADENQ KGKVARLVSP VVYSQSSAHC MTFWYHMSG S HVGTLRVKLN
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Product Details

YQKPEEYDQL VWMVVGHQGD HWKEGRVLLH KSLKLYQVIF EGEIGKGNLG GIAVDDISIN
NHIPQEDCAK PTDLDKKNTE IKIDETGSTP GYEKGDKN ISRKPGNVLK TLDPLEHHHH HH

Purity: > 90 % by SDS - PAGE

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

Target Details

Target: Neuropilin 1 (NRP1)

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

Background: Nrp1, also known as neuropilin-1, is a transmembrane glycoprotein that regulates axon guidance and angiogenesis. It acts as a receptor for two different extracellular ligands, class 3 semaphorins and specific isoforms of vascular endothelial growth factor. It is likely to mediate contacts between the dendritic cells and the T lymphocytes via homotypic interactions and is essential for the initiation of the primary immune response. Recombinant rat Nrp1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Molecular Weight: 94.8kDa (842aa) 100-150kDa (SDS-PAGE under reducing conditions)

NCBI Accession: [NP_659566](#)

UniProt: [Q9QWJ9](#)

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

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

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

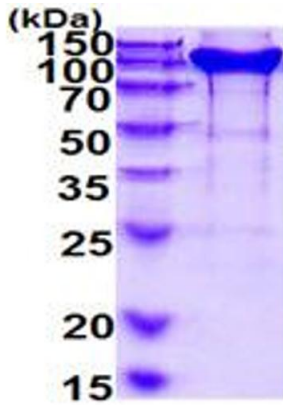
Buffer: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10 % glycerol.

Storage: 4 °C,-20 °C,-80 °C

Handling

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



15% SDS-PAGE (3ug)

SDS-PAGE

Image 1.