
Product Data Sheet

Product Name: NRP1 Mouse
 Cat. No.: GP20779
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Neuropilin-1; A5 protein; CD304; Nrp1; Nrp.		
Amino Acid Sequence	<p>FRSDKCGGTI KIENPGYLTS PGYPHSYHPS EKCEWLIQAP EPYQRIMINF NPHFDLEDRD CKYDYVEVID GENEGGRLWG KFCGKIAPSP VVSSGPFLFI KFVSDYETHG AGFSIRYEIF KRGPECSQNY TAPTGVIKSP GFPEKYPNSL ECTYIIFAPK MSEIILEFES FDLEQDSNPP GGMFCRYDRL EIWDGFPEVG PHIGRYCGQK TPGRIRSSSG VLSMVFYTDS AIAKEGFSAN YSVLQSSISE DFKCMEALGM ESGEIHSQITASSQYGTNW SVERSRLNYP ENGWTPGEDS YKEWIQVDLG LLRFVTAVGT QGAISKETKK KYVVKTYRVD ISSNGEDWIS LKEGNKAIIF QGNTNPTDVV LGVFSKPLIT RFVRIKPVSW ETGISMRFEV YGCKITDYPC SGMLGMVSGI ISDSQITASN QADRNWMPEN IRLVTSRTGW ALPPSPHPYT NEWLQVDLGD EKIVRGVIIQ GGHRENKVF MRKFKIAYSN NGSDWKTIMD DSKRKAKSFE GNNNYDTPEL RTFSPLSTRF IRIYPERATH SGLGLRMELL GCEVEAPTAG PTPPNGNPVD ECDDDQANCH SGTGDDFQLT GGTTVLATEK PTIIDSTIQS EFPTYGFNCE FGWGSHTKFC HWEHDSHAQL RWSVLTSKGT PIQDHTGDGN FIYSQADENQ KGKVARLVSP VVYSQSSAHC MTFWYHMSGG HVGTLRVKLR YQKPEEYDQL VWMVVGHQGD HWKEGRVLLH KSLKLYQVIF EGEIGKGNLG GIAVDDISIN NHISQEDCAK PTDLDKKNT IKIDETGSTP GYEGEGEGDK NISRKPGNVL KTLDPLEHHH HHH</p>		
Formulation	NRP1 protein solution (0.25mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 20% glycerol.		

Introduction

Neuropilin 1 (Nrp1) is a transmembrane glycoprotein which functions as a co-receptor for several extracellular ligands including class III/IV semaphorins, some isoforms of vascular endothelial growth factor and transforming growth factor beta. Nrp1 binds

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

vascular endothelial growth factor (VEGF)-A and is believed to serve as a coreceptor for kinase insert domain-containing receptor (KDR) by connecting with KDR and enhancing VEGF signaling. Nrp1 is a marker of regulatory T cells.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

NRP1 Mouse Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 843 amino acids (22-856 a.a.) and having a molecular mass of 94.7kDa (Migrates at 100-150kDa on SDS-PAGE under reducing conditions).NRP1 is expressed with an 8 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA