9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

NRP1 Rat

Neuropilin 1 Rat Recombinant
NTR0060

Product Overview

Name	NRP1 Rat
Description	
Neuropilin 1 Rat Recombinant	
Accession (Primary)	Q9QWJ9
Synonyms	
Neuropilin-1, Vascular endothelial cell growth factor 165 receptor, CD304, Nrp1.	
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 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.	
Source	
Sf9, Baculovirus cells.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
NRP1 protein solution (0.25mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10% glycerol.	
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.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	
Amino acid 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 ESGEIHSDQI TASSQYGTNW	

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SVERSRLNYP ENGWTPGEDS YREWIQVDLG LLRFVTAVGT QGAISKETKK KYYVKTYRVD ISSNGEDWIT LKEGNKAIIF QGNTNPTDVV FGVFPKPLIT RFVRIKPASW ETGISMRFEV YGCKITDYPC SGMLGMVSGL ISDSQITASN QGDRNWMPEN IRLVTSRTGW ALPPSPHPYI NEWLQVDLGD EKIVRGVIIQ GGKHRENKVF MRKFKIAYSN NGSDWKMIMD DSKRKAKSFE GNNNYDTPEL RAFTPLSTRF IRIYPERATH SGLGLRMELL GCEVEVPTAG PTTPNGNPVD ECDDDQANCH SGTGDDFQLT GGTTVLATEK PTIIDSTIQS EFPTYGFNCE FGWGSHKTFC HWEHDSHAQL RWRVLTSKTG PIQDHTGDGN FIYSQADENQ KGKVARLVSP VVYSQSSAHC MTFWYHMSGS HVGTLRVKLH YQKPEEYDQL VWMVVGHQGD HWKEGRVLLH KSLKLYQVIF EGEIGKGNLG GIAVDDISIN NHIPQEDCAK PTDLDKKNTE IKIDETGSTP GYEEGKGDKN ISRKPGNVLK TLDP LEHHHH HH

Precautions

NRP1 Rat is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9QWJ9)