

32-6505: NRP1 Mouse

Alternative Name : Neuropilin-1, A5 protein, CD304, Nrp1, Nrp.

Description

Source: Sf9, Baculovirus cells.

Sterile Filtered colorless solution.

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.

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.

Product Info

Amount :	1 µg / 5 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	NRP1 protein solution (0.25mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 20% glycerol.
Storage condition :	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.
Amino Acid :	FRSDKCGGTI KIENPGYLTS PGYPHSYHPS EKCEWLIQAP EPYQRIMINF NPHFDLEDRD CKYDYVEVID GENEGGRLWG KFCGKIAPSP VVSSGPFLFI KFVSDYETHG AGFSIRYEIF KRGPECSQNY TAPTGVKSP GFPEKYPNSL ECTYIIFAPK MSEIILEFES FDLEQDSNPP GGMFCRYDRL EIWDGFPEVG PHIGRYCGQK TPGRIRSSSG VLSMVFYTDS AIAKEGFSAN YSVLQSSISE DFKCMEALGM ESGEIHSQDITASSQYGTNW SVERSRLNYP ENGWTPGEDS YKEWIQVDLG LLRFVTAVGT QGAISKETKK KYVVKTYRVD ISSNGEDWIS LKEGNKAIIF QGNTNPTDVV LGVFSKPLIT RFVRIKPSW ETGISMRFEV YGCKITDYPC SGMLGMVSGL ISDSQITASN QADRNWMPEN IRLVTSRTGW ALPPSPHPYT NEWLQVDLGD EKIVRGVVIQ GGHRENKVF MRKFKIAYSN NGSDWKTIMD DSKRKAKSFE GNNNYDTPEL RTFSPLSTRF IRIYPERATH SGLGLRMELL GCEVEAPTAG PTPPNGNPVD ECDDDQANCH SGTGDDFQLT GGTTVLATEK PTIIDSTIQS EFPTYGFNCE FGWGSHKTFC HWEHDSHAQL RWSVLTSKTG PIQDHTGDGN FIYSQADENQ KGKVARLVSP VVYSQSSAHC MTFWYHMSGV HVGTLRVKLR YQKPEEYDQL VWMVVGHQGD HWKEGRVLLH KSLKLYQVIF EGEIGKGNLG GIAVDDISIN NHISQEDCAK PTDLDKKNTE IKIDETGSTP GYEGEGEGDK NISRKPGNVL KTLDPLEHHH HHH