

32-6506: NRP1 Rat

Alternative Name : Neuropilin-1, Vascular endothelial cell growth factor 165 receptor, CD304, Nrp1.

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 Rat Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 842 amino acids (22-855 a.a.) and having a molecular mass of 94.8kDa (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 10% 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 GGVFCRYDRL EIWDGFPEVG PHIGRYCGQK
TPGRIRSSSG ILSMVFYTDS AIAKEGFSAN YSVLQSSISE DFKCMEALGM ESGEIHSQI TASSQYGTNW
SVERSRLNYP ENGWTPGEDS YREWIQVDLG LLRFVTAVGT QGAISKETKK KYYVKTYRVD ISSNGEDWIT
LKEGNKAIIF QGNTNPTDVV FGVFPKPLIT RFVRIKPASW ETGISMRFEV YGCKITDYPC SGMLGMVSGL
ISDSQITASN QGDRNWMPEN IRLVTSRTGW ALPPSPHPYI NEWLQVDLGD EKIVRGVIIQ GGGKHRENKVF
MRKFKIAYSN NGSDWKMIMD DSKRKAJSFE GNNNYDTPPEL RAFTPLSTRF IRIYPERATH SGLGLRMELL
GCEVEVPTAG PTPPNGNPVD ECDDDQANCH SGTGDDFQLT GGTTVLATEK PTIIDSTIQS EFPTYGFNCE
FGWGSHKTFC HWEHDSHAQL RWRVLTSTKG PIQDHTGDGN FIYSQADENQ KGKVARLVSP
VVYSQSSAHC MTFWYHMSGV HVGTLRVKLH YQKPEEYDQL VWMVVGHQGD HWKEGRVLLH
KSLKLYQVIF EGEIGKGNLG GIAVDDISIN NHIPQEDCAK PTDLDKKNTE IKIDETGSTP GYEEGKGDKN
ISRKPGNVLK TLDPLEHHHH HH