

## 32-6504: NRP1 Human

**Alternative Name :** Neuropilin-1 isoform a, NRP1, BDCA4, CD304, NP1, NRP, VEGF165R, Vascular endothelial cell growth factor 165 receptor.

### Description

Source: Sf9, Baculovirus cells.

Sterile Filtered colorless solution.

NRP1 is a coreceptor bound on membranes to tyrosine kinase receptors for semaphorin family proteins and endothelial growth factors, it is a type one transmembrane protein. Neuropilin-1 takes part in cell survival, angiogenesis, invasion, migration, and axon guidance. the protein is a potential target for cancer therapies as it interacts with VEGF (co-receptor). NRP1 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 843 amino acids (22-856a.a.) and having a molecular mass of 94.8kDa. (Molecular size on SDS-PAGE will appear at approximately 100-150kDa). NRP1 is expressed with an 8 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

### Product Info

**Amount :** 2 µg / 10 µg

**Purification :** Greater than 90.0% as determined by SDS-PAGE.

**Content :** NRP1 protein solution (0.25mg/ml) contains phosphate buffered saline (pH7.4) 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 :** FRNDKCGDTI KIESPGYLTSGYPHSYHPS EKCEWLIQAP DPYQRIMINF NPHFDLED RD CKYDYVEVFD  
GENENGHFRG KFCGKIAPPP VVSSGPFLFI KVFSDYETHG AGFSIRYEIF KRGPECSQNY TTPSGVIKSP  
GFPEKYPNSL ECTYIVFAPK MSEIILEFES FDLEPDSNPPGGMFCRYDRL EIWDGFPDVG PHIGRYCGQK  
TPGRIRSSSG ILSMVFYTDS AIAKEGFSAN YSVLQSSVSE DFKCMEALGM ESGEIHSDQI TASSQYSTNW  
SAERSRLNYP ENGWTPGEDS YREWIQVDLG LLRFVTAVGT QGAISKETKK KYYVKTYKID VSSNGEDWIT  
IKEGNKPVLFQGNNTNPTD VV VAVFPKPLIT RFVRIKPATW ETGISMRFEV YGCKITDYPC SGMLGMVSGL  
ISDSQITSSN QGDRNWMPEN IRLVTSRSGW ALPPAPHSYI NEWLQIDLGE EKIVRGIIIQ GGKHRENKVF  
MRKFKIGYSN NGSDWK MIMD DSKRKAKSFE GNNNYDTPEL RTFPALSTRFIRIYPERATH GGLGLRMELL  
GCEVEAPTAG PTPPNGNLVD ECDDQANCH SGTGDDFQLT GGTTVLATEK PTVIDSTIQS EFPTYGFNCE  
FGWGSHKTFC HWEHDNHVQL KWSVLTSKTG PIQDHTGDGN FIYSQADENQ KGKVARLVSP  
VVYSQNSAHC MTFWYHMSGH HVGTLRVKLRYQKPEEYDQL VWMAIGHQGD HWKEGRVLLH  
KSLKLYQVIF EGEIGKGNLG GIAVDDISIN NHISQEDCAK PADLDKKNPE IKIDETGSTP GYEGEGEGDK  
NISRKPGNVL KTLDPLEHHH HHH.