

32-13770: EPHB1 Human

Alternative Name : EPHB-1, Ephrin type-B receptor 1, Eph Receptor B1, ELK, EPH tyrosine kinase 2, EPH-like kinase 6, EK6, hEK6, HEK6, Neuronally-expressed EPH-related tyrosine kinase, NET, NETHeK6, Tyrosine-protein kinase receptor EPH-2, EPHT2, soluble EPHB1 variant 1

Description

Source:HEK293 Cells.

Physical Appearance:Sterile filtered colorless solution.

Biological Activity: Measured by its binding ability in a functional ELISA with Human EFNB1.

EPH Receptor B1 (EPHB1) is a member of the ephrin receptor subfamily of the proteintyrosine kinase family which 16 receptors are known. EPHB1 binds ephrin-B2, ephrin-B1, ephrin-A3, ephrin-A1, ephrin-B3 and ephrin-A4. EPHB1 binds tyrosine kinase and phosphorylates syndecan-2 and this phosphorylation is necessary for syndecan-2 clustering and spine formation. Ephrin receptors and their ligands (the ephrins) mediate several developmental processes, mainly in the nervous system.

EPHB1 Human Recombinant produced in HEK293 Cells is a single, glycosylated polypeptide chain containing 529 amino acids (18-540 a.a) and having a molecular mass of 59.2 kDa. EPHB1 is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount : 10 µg / 2 µg

Purification : Greater than 95.0% as determined by SDS-PAGE.

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 : MEETLMDTRT ATAELGWTAN PASGWEEVSG YDENLNTIRT YQVCNVFEPN QNNWLLTTFI NRRGAHRIYT EMRFTVRDCS SLPNVPGSCK ETFNLYYYET DSVIATKKS A FWSEAPYLKV DTIAADESFS QVDFGGRLMK VNTEVRSFGP LTRNGFYLA F QDYGACMSLL SVRVFFKKCP SIVQNFVFP ETMTGAESTS LVIARGTCIP NAAEVDVPIK LYCNGDGEWM VPIGRCTCKP GYEPENSVAC KACPAGTFKA SQEAEGCSHC PSNSRSPA EA SPICTCRTGY YRADFDPEV ACTSVPSGPR NVISIVNETS IILEWHPPRE TGGRDDVTYN IICKKCRADR RSCSRDDNV EFVPRQLGLT ECRVSISSLW AHTPYTFDIQ AINGVSSKSP FPPQHVSUNI TTNQAAPSTV PIMHQVSATM RSITLSWPQP EQPNGILDY EIRYYEKEHN EFNSSMARSQ TNTARIDGLR PGMVYVVQVR ARTVAGYGKF SGKMCFTLT DDDYKSELRE QLPHHHHHH