

## 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 SLPNVP GSCK ETFNLYYYET DSVIATKKSA FWSEAPYLKV DTIAADESFS QVDFGGRLMK  
VNTEVRSFGP LTRNGFYLA F QDYGACMSLL SVRVFFKKCP SIVQNFAVFP ETMTGAESTS LVIARGTCIP  
NAEEVDVPIK LYCNGDGEWM VPIGRCTCKP GYEPENSVAC KACPAGTFKA SQAEGCSHC PSNSRSPAEA  
SPICTCRTGY YRADFDPEV ACTSVPSGPR NVISIVNETS ILEWHPPRE TGGRDDVTYN IICKKCRADR  
RSCSRDDNV EFVPRQLGLT ECRVSISSLW AHTPYTFDIQ AINGVSSKSP FPPQHVSUNI TTNQAAPSTV  
PIMHQVSATM RSITLSWPQP EQPNGIILDY EIRYYEKEHN EFNSSMARSQ TNTARIDGLR PGMVYVVQVR  
ARTVAGYGKF SGKMCFTLT DDDYKSELRE QLPHHHHHH