

EPHB2, 19-543aa, Human, His-tag, Baculovirus

Cat.NO.: TP02031

3th Edition

Synonyms:Ephrin type-B receptor 2 isoform 1, EPHB2, CAPB, DRT, EK5, EPHT3, ERK, Hek5, PCBC, Tyro5

Description:EPHB2, also known as ephrin type-B receptor 2 isoform 1, is a member of the transmembrane Eph receptor tyrosine kinase family (RTKs) that binds members of the Ephrin family on adjacent cells. The interaction triggers forward signaling in the receptor-expressing cells through the Eph receptor and reverse signaling in the ligand-expressing cells through Ephrin. Hippocampal neurons can release vesicles containing full length EPHB2, and these are taken up by neighboring glial cells. This protein controls axon guidance across the embryonic midline, promotes a neuronal fate from neural precursors, and regulates NMDA receptor activity. Recombinant human EPHB2, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form:Liquid. In Phosphate Buffered Saline (pH 7.4) containing 20% glycerol, 1mM DTT.

Molecular Weight:59.1kDa (533aa), 50-70KDa (SDS-PAGE under reducing conditions.)

Sequences:IBSNP0801

Purity:> 95% by HPLC

Concentration:0.5mg/ml (determined by Absorbance at 280nm)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.