

Recombinant Human Ephrin B Receptor 1/EphB1 Protein(C-Fc)

Cat.NO.: TP05992

3th Edition

Synonyms:Ephrin Type-B Receptor 1; ELK; EPH Tyrosine Kinase 2; EPH-Kike Kinase 6; EK6; hEK6; Neuronally-Expressed EPH-Related Tyrosine Kinase; NET; Tyrosine-Protein Knase Receptor EPH-2; EPHB1; ELK; EPHT2; HEK6; NET

Description:Ephrin Type-B Receptor 1 (EPHB1) is a single-pass type I membrane protein that belongs to the Ephrin-B family of receptor tyrosine kinases involved in the development of embryonic nervous and vascular systems. EPHB1 contains two fibronectin type-III domains, one protein kinase domain and one Sterile Alpha Motif (SAM)domain. EPHB1 is able to stimulate fibroblast motility on extracellular matrix in a kinase-dependent manner, which is also correlated with its association with Grb7, an adaptor molecule implicated in the regulation of cell migration. It binds to Ephrin-B1, Ephrin-B2 and Ephrin-B3. EPHB1 plays an important roles in diverse biological processes including nervous system development, angiogenesis, and neural synapsis formation and maturation and may be involved in cell-cell interactions in the nervous system.

Form:PBS

Molecular Weight:85.5 kDa

Sequences:Met 18-Pro540

Purity:> 95% by HPLC

Concentration:

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.