

Recombinant Human Ephrin type-B receptor 2 Protein

Cat.NO.: TP04931

3th Edition

Synonyms:EPHB2 protein;EPHB2;Ephrin type-B receptor 2

Description:Ephrin type-B receptor 2(EPHB2) belongs to the protein kinase superfamily and Ephrin receptor subfamily. EPHB2 contains 1 Eph LBD domain, 2 fibronectin type-III domains, 1 protein kinase domain and 1 SAM domain. Ephrin receptors and their ligands, the ephrins, mediate numerous developmental processes, particularly in the nervous system. Based on their structures and sequence relationships, ephrins are divided into the ephrin-A (EFNA) class, which are anchored to the membrane by a glycosylphosphatidylinositol linkage, and the ephrin-B (EFNB) class, which are transmembrane proteins. The Eph family of receptors are divided into 2 groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. Ephrin receptors make up the largest subgroup of the receptor tyrosine kinase (RTK) family.

Form:PBS

Molecular Weight:78.5 kDa

Sequences:Val19-Ser482

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.