



Recombinant Protein Technical Manual

Recombinant Human Ephrin-B2/EFNB2 Protein (His Tag)(Active)

RPE3104

Product Data:

Product SKU: RPE3104

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P52799

Protein Information:

Molecular Mass: 23.2 kDa

AP Molecular Mass: 35 kDa

Tag: C-6His

Bio-activity: Immobilized Human EphB2-Fc(Cat: PKSH032012) at 10µg/ml(100 µl/well) can bind Human AQZ9-His. The ED50 of Human AQZ9-His is 1.13ug/ml .

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.

Reconstitution: Please refer to the printed manual for detailed information.

Application: Functional ELISA

Synonyms: Ephrin-B2; EPH-Related Receptor Tyrosine Kinase Ligand 5; LERK-5; HTK Ligand; HTK-L; EFNB2; EPLG5; HTKL; LERK5

Immunogen Information:

Sequence: Ile28-Ala229

Background:

Ephrin-B2 is a type I transmembrane protein and belongs the Ephrin family. It binds to the receptor tyrosine kinases, such as EPHA4, EPHB4 and EPHA3. Ephrin-B2 has been implicated in mediating developmental events, especially in the nervous system, erythropoiesis and tumour metastasis. Ligation of Ephrin-B2 with complementary EphB receptors on adjacent cells results in a combination of forward (EphB receptors) and reverse (Ephrin-B2) signalling, which is central to tissue development and remodelling functions. In addition, Ephrin-B2 may play a role in constraining the orientation of longitudinally projecting axons.