Recombinant Protein Technical Manual

Recombinant Human Ephrin-B1/EFNB1 Protein (His Tag)

RPES3084

Product Data:

Product SKU: RPES3084

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P98172

Protein Information:

Molecular Mass: 23.4 kDa

AP Molecular Mass: 34 kDa

Tag: C-6His

Bio-activity:

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℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ 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,pH7.4.

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

Application:

Synonyms: Ephrin-B1;EFL-3; ELK ligand; EPH-related receptor tyrosine kinase ligand 2;LERK-2;CFND;CFNS;EFB1;EFL3;Elk-L;EPLG2;LERK2

Immunogen Information:

Sequence: Leu28-Gly232

Background:

Ephrin-B1, also named EFL-3, ELK ligand, EPH-related receptor tyrosine kinase ligand 2, is a single-pass type I membrane protein. It contains 1 ephrin RBD (ephrin receptor-binding) domain and belongs to the ephrin family. 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. All ephrins share a conserved extracellular sequence, which most likely corresponds to the receptor-binding domain. Ephrin-B1 has been shown to bind EphA3, EphB1, EphB2, EphB3, and EphB4. The extracellular domains of human and mouse ephrin-B1 share 94% amino acid identity.