



Recombinant Protein Technical Manual
Recombinant Mouse Ephrin-A1/EFNA1 Protein (Fc & His Tag)(Active)
RPES0457

Product Data:

Product SKU: RPES0457

Size: 10µg

Species: Mouse

Expression host: Human Cells

Uniprot: P52793

Protein Information:

Molecular Mass: 47.3 kDa

AP Molecular Mass: 60kDa

Tag: C-Fc-6His

Bio-activity: Immobilized Human EphA2-His(Cat: PKSH032009) at 0.5µg/ml(100 µl/well) can bind Human EFNA1-Fc. The ED50 of Human EFNA1-Fc is 12ug/ml.

Purity: > 90 % as determined by 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 PBS, pH7.4.

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

Application: Functional ELISA

Synonyms: EPH-related receptor tyrosine kinase ligand 1; Immediate early response protein B61;Epgl1; Epl1; Lerk1

Immunogen Information:

Sequence: Asp19-Ser182

Background:

Ephrin-A1 is a cell membrane protein and contains 1 ephrin RBD (ephrin receptor-binding) domain. EFNA1 belongs to the ephrin (EPH) family. The ephrins and EPH-related receptors comprise the largest subfamily of receptor protein-tyrosine kinases and have been implicated in mediating developmental events, especially in the nervous system and in erythropoiesis. 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. This gene encodes an EFNA class ephrin which binds to the EPHA2, EPHA4, EPHA5, EPHA6, and EPHA7 receptors. Two transcript variants that encode different isoforms were identified through sequence analysis. It belongs to the ephrin family and contains 1 ephrin RBD (ephrin receptor-binding) domain.