Recombinant Protein Technical Manual

Recombinant Mouse Ephrin-A5/EFNA5 Protein (His Tag)(Active)

RPES0514

Product Data:

Product SKU: RPES0514

Size: 10µg

Species: Mouse

Expression host: Human Cells

Uniprot: O08543

Protein Information:

Molecular Mass:	22.5 kDa
AP Molecular Mass:	25-28kDa
Tag:	C-6His
Bio-activity:	Immobilized Human EphA8-Fc(Cat: PKSH032386) at 1.5µg/ml(100 µl/well) can bind Human EFNA5-His. The ED50 of EFNA5-His is 12.63ug/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℃ 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:	Functional ELISA
Synonyms:	Ephrin-A5; AL; EPH-related receptor tyrosine kinase ligand 7; Epl7; Eplg7; Lerk7; Efna5;

Immunogen Information:

Sequence: Gln21-Gln206

Background:

Ephrin-A5 is a glycosylphosphatidylinositol (GPI)-anchored protein of the ephrin-A subclass of ephrin ligands that binds to the EphA subclass of Eph receptors. Ephrin-A5 has also been shown to bind to the EphB2 receptor. It is crucial for migration, repulsion and adhesion during neuronal, vascular and epithelial development. Ephrin-A5 binds promiscuously Eph receptors residing on adjacent cells, leading to contact-dependent bidirectional signaling into neighboring cells. The signaling pathway downstream of the receptor is referred to as forward signaling while the signaling pathway downstream of the ephrin ligand is referred to as reverse signaling.