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Elabscience Biotechnology Inc.

Elabscience®

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

Catalog No. PKSM041007

Description

Synonyms	EPH-related receptor tyrosine kinase ligand 1; Immediate early response protein B61;Epgl1; Epl1; Lerk1
Species	Mouse
Expression_host	Human Cells
Sequence	Asp19-Ser182
Accession	P52793
Mol_Mass	47.3 kDa
AP_Mol_Mass	60 kDa
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.

Properties

Purity	> 90 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. 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 PBS, pH7.4.
Reconstitution	Please refer to the printed manual for detailed information.

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.

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