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**Recombinant Mouse Ephrin-A1/EFNA1 Protein(C-Fc-6His)**

**Cat.NO.: TP04552**

3th Edition

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

**Description:**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.

**Form:**PBS

**Molecular Weight:**47.3 kDa

**Sequences:**Asp19-Ser182

**Purity:**> 95% by HPLC

**Concentration:**

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.