



Recombinant Protein Technical Manual  
Recombinant Mouse Ephrin-A4/EFNA4 Protein (Fc  
Tag)  
RPES0495

### Product Data:

**Product SKU:** RPES0495

**Size:** 10µg

**Species:** Mouse

**Expression host:** Human Cells

**Uniprot:** O08542

### Protein Information:

**Molecular Mass:** 44.0 kDa

**AP Molecular Mass:** 53 kDa

**Tag:** C-Fc

**Bio-activity:**

**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:**

**Synonyms:** Ephrin-A4 ;EPH-related receptor tyrosine kinase ligand 4 ;Epl4; Eplg4; Lerk4

## Immunogen Information:

**Sequence:** Arg27-Gly176

## Background:

Ephrin-A4 belongs to the ephrin family and Contains 1 ephrin RBD (ephrin receptor-binding) domain. The protein is cell surface GPI-bound ligand for Eph receptors, a family of receptor tyrosine kinases which are crucial for migration, repulsion and adhesion during neuronal, vascular and epithelial development. Ephrin-A4 binds promiscuously Eph receptors residing on adjacent cells, leading to contact-dependent bidirectional signaling into neighboring cells. It may play a role in the interaction between activated B-lymphocytes and dendritic cells in tonsils.