



# Recombinant Protein Technical Manual

## Recombinant Mouse EphA3 Protein (His Tag)(Active)

RPES2119

### Product Data:

**Product SKU:** RPES2119

**Size:** 100µg

**Species:** Mouse

**Expression host:** HEK293 Cells

**Uniprot:** NP\_796047.2

### Protein Information:

**Molecular Mass:** 60.2 kDa

**AP Molecular Mass:**

**Tag:** C-His

**Bio-activity:** 1. Measured by its binding ability in a functional ELISA. 2. Immobilized mouse EPHA3-His at 10 µg/mL (100 µL/well) can bind mouse EFNA5-Fc. The EC50 of mouse EFNA5-Fc is 4.91.4ng/mL.

**Purity:** > 95 % as determined by SDS-PAGE

**Endotoxin:** < 1.0 EU per µg of the protein 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 sterile PBS, pH 7.4

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

**Application:** Functional ELISA

**Synonyms:** AW492086;Cek4;End3;ETK1;Hek;Hek4;Mek4;Tyro4

## Immunogen Information:

**Sequence:** Met1-His541

## Background:

EPHA3 gene belongs to the ephrin receptor subfamily of the protein-tyrosine kinase family. EPH and EPH-related receptors have been implicated in mediating developmental events, particularly in the nervous system. The ephrin receptors are divided into 2 groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. EPHA3 gene encodes a protein that binds ephrin-A ligands. EPHA3 is involved in the retinotectal mapping of neurons. It may also control the segregation but not the guidance of motor and sensory axons during neuromuscular circuit development.