



Recombinant Protein Technical Manual

Recombinant Rat EphA3 Protein (His Tag)(Active)

RPES3377

Product Data:

Product SKU: RPES3377

Size: 200µg

Species: Rat

Expression host: HEK293 Cells

Uniprot: EDL75897.1

Protein Information:

Molecular Mass: 61.2 kDa

AP Molecular Mass: 70.5 kDa

Tag: C-His

Bio-activity: Measured by its binding ability in a functional ELISA. Immobilized rat EPHA3-His at 10 µg/ml (100 µl /well) can bind rat EFNA5-Fc, The EC50 of ratEFNA5-Fc is 9-20ng/ml.

Purity: > 90 % 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: EPHA3

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.