Recombinant Protein Technical Manual

Recombinant Human EphA3 Protein (His Tag)(Active)

RPES1516

Product Data:

Product SKU: RPES1516

Size: 50µg

Species: Human

Expression host: HEK293 Cells

Uniprot: NP_005224.2

Protein Information:

Molecular Mass:	60.3 kDa
AP Molecular Mass:	65-70 kDa
Tag:	C-His
Bio-activity:	Measured by its binding ability in a functional ELISA. Immobilized human EPHA3-His at 10 µg/ml (100 µl/well) can bind human EphrinA5-Fc , The EC50 of human EphrinA5-Fc is 6.24.6 ng/ml.
Purity:	> 95 % as determined by reducing 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℃ 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 sterile PBS, pH 7.4
Reconstitution:	Please refer to the printed manual for detailed information.
Application:	Functional ELISA
Synonyms:	EK4;ETK;ETK1;HEK;HEK4;TYRO4

Immunogen Information:

Sequence: Met 1-Gln541

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.