



Recombinant Protein Technical Manual

Recombinant Human EphA4 Protein

RPES1405

Product Data:

Product SKU: RPES1405

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P54764

Protein Information:

Molecular Mass: 59.2 kDa

AP Molecular Mass: 59.2 kDa

Tag:

Bio-activity:

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°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 type-A receptor 4;HEK8; SEK; TYRO1;EPA4;Tyrosine-protein kinase receptor SEK;Tyrosine-protein kinase TYRO1;EK8;hEK8;EPH-like kinase 8

Immunogen Information:

Sequence: Val20-Thr547

Background:

Ephrin type-A receptor 4 (EPHA4) belongs to the protein kinase superfamily and Ephrin receptor subfamily. EPHA4 contains 1 Eph LBD domain, 2 fibronectin type-III domains, 1 protein kinase domain and 1 SAM domain. EPH and EPH-related receptors have been implicated in mediating developmental events, particularly in the nervous system. Receptors in the EPH subfamily typically have a single kinase domain and an extracellular region containing a Cys-rich domain and 2 fibronectin type III repeats. 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.