Human CellExp™ EphA7 / EHK3 (Active), Human Recombinant

05/21

CATALOG NO:

P1727-10	10 µg
P1727-50	50 µg

ALTERNATE NAMES: EPH Receptor A7; HEK11; Ephrin Type-A Receptor 7; EHK-3; EK11

MOL. WT. 60.19 kDa predicted, 72 kDa observed

NCBI GENE ID: 2045

ACCESSION NO.: Q15375

ENDOTOXIN: < 1.0 EU per µg as determined by the LAL method

PURITY: > 95% by SDS-PAGE

SOURCE: Human Cells

AMINO ACID SEQUENCE: Gln 28 to Ile 556 with C-terminal 6xHis Tag

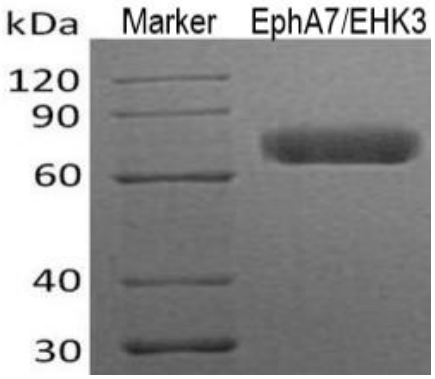
ACTIVITY: Immobilized Human EphA7-His at 2 µg/ml (100 µl/well) can bind Human EFNA4-Fc-6His. The ED50 of Human EphA7-His is 1.5190 µg/ml

FORM: Lyophilized powder

FORMULATION: Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2

STORAGE CONDITIONS: Store lyophilized protein at -20 °C or -80 °C. Once reconstituted, aliquot and store at -20 °C or -80 °C. Avoid repeated freeze-thaw cycles.

DESCRIPTION: The Ephrin Type-A Receptor 7 is a member of the ephrin receptor subfamily of protein-tyrosine kinases, which are implicated in mediating nervous system development. EphA7 binds to membrane-bound ephrin-A family ligands residing on adjacent cells, leading to contact-depending bidirectional signaling between the neighboring cells. Interaction between EphA7 and its ligand EFNA5 regulates brain development through the modulation of cell-cell adhesion and repulsion. EphA7 has a repellent activity on axons, and may also regulate brain development through a Caspase-3-dependent proapoptotic mechanism. Overexpression of EphA7 is associated with multiple forms of carcinoma.



Human EphA7 was loaded on SDS-PAGE under reducing conditions and visualized by Coomassie blue stain.

RELATED PRODUCTS:

Human CellExp™ Acetylcholinesterase / AChE, Human Recombinant (Cat. No. P1475)
Phospho-EPHA2/3/4(Tyr588/596) Antibody (Cat. No. A1736)
Anti-Human Ephrin Type A receptor 2 (1C1), Human IgG1 Antibody (Cat. No. A1095)
Human CellExp™ EPHB4, Human Recombinant (Cat. No. 7451)
Human CellExp™ CTLA4/CD152, Human Recombinant (Cat. No. 7476)

FOR RESEARCH USE ONLY! Not to be used on humans.