

37-1355: Mouse EphA4 / HEK8 Recombinant Protein (Fc Tag)(Discontinued)

Reactivity : Mouse
Alternative Name : 2900005C20Rik Protein, Mouse; A1385584 Protein, Mouse; Cek8 Protein, Mouse; Hek8 Protein, Mouse; rb Protein, Mouse; Sek Protein, Mouse; Sek1 Protein, Mouse; Tyro1 Protein, Mouse

Description

Source : HEK293 Cells

EPH receptor A4 (ephrin type-A receptor 4), also known as EphA4, belongs to the ephrin receptor subfamily of the protein-tyrosine kinase family which 16 known receptors (14 found in mammals) are involved: EPHA1, EPHA2, EPHA3, EPHA4, EPHA5, EPHA6, EPHA7, EPHA8, EPHA9, EPHA1, EPHB1, EPHB2, EPHB3, EPHB4, EPHB5, EPHB6. The Eph family of receptor tyrosine kinases (comprising EphA and EphB receptors) has been implicated in synapse formation and the regulation of synaptic function and plasticity⁶. EphA4 is enriched on dendritic spines of pyramidal neurons in the adult mouse hippocampus, and ephrin-A3 is localized on astrocytic processes that envelop spines. Eph receptor-mediated signaling, which is triggered by ephrins⁷, probably modifies the properties of synapses during synaptic activation and remodeling. Ephrin receptors are components of cell signalling pathways involved in animal growth and development, forming the largest sub-family of receptor tyrosine kinases (RTKs). The extracellular domain of an EphA4 interacts with ephrin ligands, which may be tethered to neighbouring cells. Ligand-mediated activation of Ephs induce various important downstream effects and Eph receptors have been studied for their potential roles in the development of cancer.

Product Info

Amount : Mouse EphA4 / HEK8 Recombinant Protein (Fc Tag)(Discontinued) / 200 µg
Purification : > 95 % as determined by SDS-PAGE
Content : Formulation Lyophilized from sterile PBS, pH 7.4
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Storage condition : Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Amino Acid : Met1-Thr547

Application Note

Measured by its binding ability in a functional ELISA . Immobilized mouse EPHA5 at 2 µg/ml (100 µL/well) can bind mouse EFNA4-Fc with a linear ranger of 1.28-32 ng/ml.
Endotoxin :< 1.0 EU per µg of the protein as determined by the LAL method

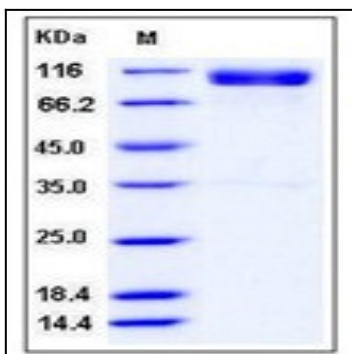


Fig 1: Mouse EphA4 / HEK8 Recombinant Protein (Fc Tag)