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37-1360: Mouse EphA7 / EHK-3 Recombinant Protein (His Tag)(Discontinued)

Reactivity :	Mouse
Alternative Name :	Cek11 Protein, Mouse; Ebk Protein, Mouse; Ehk3 Protein, Mouse; Hek11 Protein, Mouse; Mdk1 Protein, Mouse; RP23-33D17.1 Protein, Mouse

Description

Source : HEK293 Cells
Ephrin type-A receptor 7, also known as EphA7, 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. 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). 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. Down-regulation of EphA7 secondary to hypermethylation has been reported in colorectal cancer. The expression of EphA7 was reduced in all tested gastric cancer cell lines; however, there is marked variability in expression among gastric carcinoma specimens. EphA7 may have roles in the pathogenesis and development of gastric carcinomas.

Product Info

Amount :	3 Recombinant Protein (His Tag)(Discontinued) / 200 µg
Purification :	> 97 % 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-Ile556

Application Note

Measured by its binding ability in a functional ELISA . Immobilized mouse EphA7 at 2 ÃÂµg/ml (100 ÃÂµL/well) can bind mouse EphrinA4 with a linear range of 0.08-10 ng/ml .
Endotoxin :< 1.0 EU per ÃÂµg of the protein as determined by the LAL method

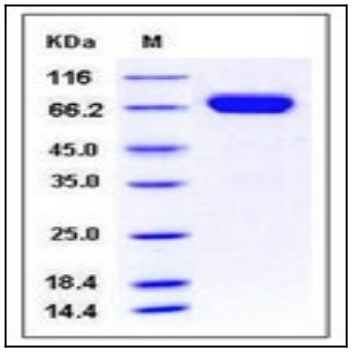

Fig 1: Mouse EphA7 / EHK-3 Recombinant Protein (His Tag)