

Recombinant Human Ephrin A Receptor 8/EphA8 Protein(C-Fc)

Cat.NO.: TP04943

3th Edition

Synonyms:Ephrin type-A receptor 8;EEK; HEK3; KIAA1459;EPHA8;Tyrosine-protein kinase receptor
EEK;hEK3;EK3;EPH-like kinase 3;EPH- and ELK-related kinase

Description:Ephrin type-A receptor 8 (EPHA8) is single-pass type I membrane protein. As receptor tyrosine kinase which binds promiscuously GPI-anchored ephrin-A family ligands residing on adjacent cells, leading to contact-dependent bidirectional signaling into neighboring cells. The signaling pathway downstream of the receptor is referred to as forward signaling while the signaling pathway downstream of the ephrin ligand is referred to as reverse signaling. The GPI-anchored ephrin-A EFNA2, EFNA3, and EFNA5 are able to activate EPHA8 through phosphorylation. During development of the nervous system plays also a role in axon guidance. Downstream effectors of the EPHA8 signaling pathway include FYN which promotes cell adhesion upon activation by EPHA8 and the MAP kinases in the stimulation of neurite outgrowth.

Form:PBS

Molecular Weight:78.4 kDa

Sequences:Ala28-Leu495

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.