Recombinant Human EPHA8 Protein (A2-L1005), Tag Free

Cat. No. EPHA8-0981H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GG-EPHA8(A2-L1005 end) Protein was expressed in Insect cell.
Species	Human
Source	Insect Cells
ProteinLength	A2-L1005
Description	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. With EFNA5 may regulate integrin-mediated cell adhesion and migration on fibronectin substrate but also neurite outgrowth. 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	Liquid
Endotoxin	< 0.01 EU per μg of the protein

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Purity	90%
Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	EPHA8 EPH receptor A8 [Homo sapiens (human)]
Official Symbol	EPHA8
Synonyms	EPHA8; EPH receptor A8; EEK, EphA8; ephrin type-A receptor 8; Hek3; EPH-like kinase 3; tyrosylprotein kinase; protein-tyrosine kinase; hydroxyaryl-protein kinase; EPH- and ELK-related kinase; EPH- and ELK-related tyrosine kinase; tyrosine-protein kinase receptor EEK; EEK; EK3; HEK3; KIAA1459;
Gene ID	2046
mRNA Refseq	NM_001006943
Protein Refseq	NP_001006944
MIM	176945

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UniProt ID	P29322

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