Active Recombinant Human EPHA1 Protein, Fc-tagged

Cat. No. EPHA1-726H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human EPHA1 (EAL23789.1) (Met1-Glu547) was expressed with the Fc region of human IgG1 at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-547 a.a.
Predicted N Terminal	Lys 26
Form	Lyophilized from sterile PBS, pH 7.4, 5% ~ 8% trehalose and mannitol.
Bio-activity	Measured by its binding ability in a functional ELISA.Immobilized human EFNA1-His at 10 μg/ml (100 μl /well) can bind human EPHA1-Fc, The EC50 of human EPHA1-Fc is 10-30 ng/ml.
Molecular Mass	The recombinant human EPHA1 consists 760 amino acids and predicts a molecular mass of 83.3 kDa.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Purity	>90 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70ºC.

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Storage	Store it under sterile conditions at -20ºC~-70ºC. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4℃ before opening to recover the entire contents.

GENE INFORMATION

Gene Name	EPHA1 EPH receptor A1 [Homo sapiens]
Official Symbol	EPHA1
Synonyms	EPHA1; EPH receptor A1; EphA1 , EPHT, EPHT1; ephrin type-A receptor 1; EPH; hEpha1; oncogene EPH; eph tyrosine kinase 1; soluble EPHA1 variant 1; soluble EPHA1 variant 2; tyrosine-protein kinase receptor EPH; erythropoietin-producing hepatoma receptor; erythropoietin-producing hepatoma amplified sequence; EPHT; EPHT1; MGC163163;
Gene ID	2041
mRNA Refseq	NM_005232
Protein Refseq	NP_005223
MIM	179610
UniProt ID	P21709
Chromosome Location	7q32-q36

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Pathway	Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem; EPHA forward signaling, organism-specific biosystem;

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