

Recombinant Human EPHA4 protein(Ser570-Val986), His&GST-tagged

Cat. No. EPHA4-7315H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human EPHA4 (P54764) (Ser570-Val986) was expressed in Insect Cells, fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.
Species	Human
Source	Insect Cells
ProteinLength	570-986 a.a.
Form	Supplied as sterile 20mM Tris, 500mM NaCl, pH 8.5, 10% glycerol, 3mM DTT
Bio-activity	1. The specific activity was determined to be 17 nmol/min/mg using Poly(Glu:Tyr) 4:1 as substrate. 2. Measured by its binding ability in a functional ELISA. Immobilized human EPHA4 (aa 570-986) at 10 µg/ml (100 µl/well) can bind biotinylated human EphrinA5-His with a linear range of 0.625-5.0 µg/ml.
Molecular Mass	The recombinant human EPHA4 /GST chimera consists of 654 amino acids and has a calculated molecular mass of 75 kDa. The recombinant protein migrates as an approximately 67 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 90 % as determined by SDS-PAGE

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Storage Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. 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.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [EPHA4 EPH receptor A4 \[Homo sapiens \]](#)

Official Symbol [EPHA4](#)

Synonyms EPHA4; EPH receptor A4; EphA4 , TYRO1; ephrin type-A receptor 4; Hek8; EK8; EPH-like kinase 8; TYRO1 protein tyrosine kinase; tyrosine-protein kinase TYRO1; tyrosine-protein kinase receptor SEK; receptor protein-tyrosine kinase HEK8; SEK; HEK8; TYRO1;

Gene ID [2043](#)

mRNA Refseq [NM_004438](#)

Protein Refseq [NP_004429](#)

MIM [602188](#)

UniProt ID [P54764](#)

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