

Active Recombinant Human EPHA4 Protein, GST-His-tagged

Cat. No. EPHA4-3385H Lot. No. (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human EPHA4 Protein(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 aa
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	> 99 % as determined by SDS-PAGE

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Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.
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Concentration	0.1-1.0 mg/ml
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GENE INFORMATION

Gene Name	EPHA4 EPH receptor A4 [Homo sapiens]
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Official Symbol	EPHA4
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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;
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Gene ID	2043
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mRNA Refseq	NM_004438
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Protein Refseq	NP_004429
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MIM	602188
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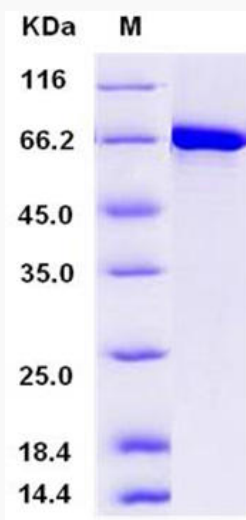
UniProt ID	P54764
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SDS-PAGE



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