

Recombinant Human EPHA4 protein, His & GST-tagged

Cat. No. EPHA4-1137H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human EPHA4 aa. (Ile621~Ile882 (Accession # P54764) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ile621~Ile882
Description	This gene belongs to the ephrin receptor subfamily of the protein-tyrosine kinase family. EPH and EPH-related receptors have been implicated in mediating developmental events, particularly in the nervous system. Receptors in the EPH subfamily typically have a single kinase domain and an extracellular region containing a Cys-rich domain and 2 fibronectin type III repeats. The ephrin receptors are divided into 2 groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. Multiple transcript variants encoding different isoforms have been found for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 59.7kDa.
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Characteristic	The isoelectric point is 8.2.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	EPHA4 EPH receptor A4 [Homo sapiens (human)]
Official Symbol	EPHA4
Synonyms	EPHA4; EPH receptor A4; SEK; HEK8; TYRO1; ephrin type-A receptor 4; EK8; EPH-like kinase 8; TYRO1 protein tyrosine kinase; receptor protein-tyrosine kinase HEK8; tyrosine-protein kinase TYRO1; tyrosine-protein kinase receptor SEK
Gene ID	2043
mRNA Refseq	NM_001304536.1

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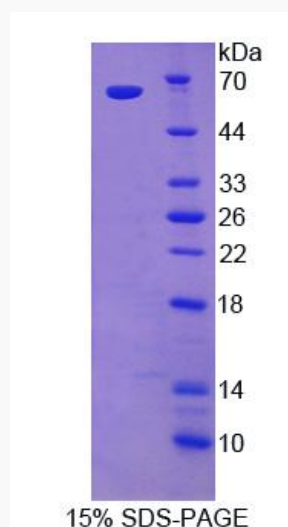
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Protein Refseq NP_001291465.1

UniProt ID P54764

SDS-PAGE



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