

Recombinant Human EPH Receptor A4, GST-tagged, Active

Cat. No. EPHA4-302H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human EPHA4 (610-887) was expressed by baculovirus in <i>Sf9</i> insect cell/susing an N-terminal GST tag. MW=58kDa.
Species	Human
Source	Sf9 Cells
ProteinLength	610-887 a.a.
Description	EPHA4 also known as EPH receptor A4, belongs to the ephrin receptor subfamily of protein-tyrosine kinases which have been implicated in mediating developmental events, particularly in the nervous system. The EPHA4 ligand ephrin-A3 is localized to the astrocytic processes that envelop the spine. Activation of EPHA4 by ephrin-A3 induces spinal retraction and reduces spine density and inhibits the interaction distorted spine shape and organization. EPHA4-null mice possess defects in the corticospinal tract and anterior commissure indicating a model in which an ephrin ligand on the axons senses EPHA4 on spinal cord cells surrounding the corticospinal tract.
Sequence	610-887.
Applications	Kinase Assay, Western Blot.
Storage And Stability	Store product at –70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable

 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

performance, avoid repeated handling and multiple freeze/thaw cycles.

GENE INFORMATION

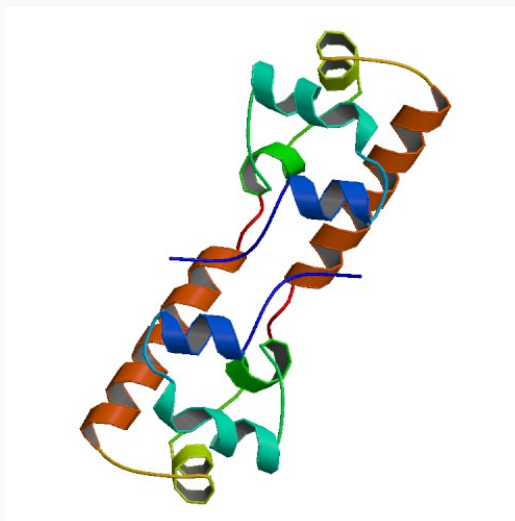
Gene Name	EPHA4 EPH receptor A4 [Homo sapiens]
Synonyms	EPHA4; EPH receptor A4; SEK; HEK8; TYRO1; OTTHUMP00000164185; TYRO1 protein tyrosine kinase; ephrin receptor EphA4; ephrin type-A receptor 4; receptor protein-tyrosine kinase HEK8; tyrosine-protein kinase receptor SEK; EC 2.7.10.1
Gene ID	2043
mRNA Refseq	NM_004438
Protein Refseq	NP_004429
MIM	602188
UniProt ID	P54764
Chromosome Location	2q36.1
Pathway	Axon guidance
Function	ATP binding; ephrin receptor activity; nucleotide binding; protein binding; receptor activity; transferase activity

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