

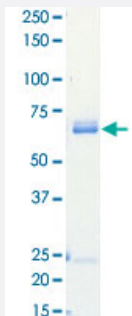
Bioactive

EPHA8 (Human) Recombinant Protein

Catalog # P5547

Size 5 ug

Applications



Result of activity analysis

Result of activity analysis

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Specification

Product Description	Human EPHA8 (NP_065387.1, 571 a.a. - 924 a.a.) partial recombinant protein with GST tag expressed in baculovirus infected Sf21 cells.
Host	insect
Theoretical MW (kDa)	67
Form	Liquid
Preparation Method	Baculovirus infected insect cell (Sf21) expression system
Purification	Glutathione sepharose chromatography
Purity	89 % by SDS-PAGE/CBB staining

Activity	The activity was measured by off-chip mobility shift assay. The enzyme was incubated with fluorescence-labeled substrate and Mg(or Mn)/ATP. The phosphorylated and unphosphorylated substrates were separated and detected by LabChip 3000. Substrate: Blk/Lyntide. ATP: 100 uM.
Quality Control Testing	Loading 1 ug protein in SDS-PAGE
Storage Buffer	In 50 mM Tris-HCl, 150 mM NaCl, pH 7.5 (0.1% CHAPS, 1 mM DTT, 10% glycerol)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of activity analysis Result of activity analysis

Applications

- Functional Study
- SDS-PAGE

Gene Info — EPHA8

Entrez GeneID	2046
Protein Accession#	NP_065387.1
Gene Name	EPHA8
Gene Alias	EEK, HEK3, KIAA1459
Gene Description	EPH receptor A8
Omim ID	176945
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of 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. The protein encoded by this gene functions as a receptor for ephrin A2, A3 and A5 and plays a role in short-range contact-mediated axonal guidance during development of the mammalian nervous system. [provided by RefSeq]

Other Designations

EPH- and ELK-related tyrosine kinase|OTTHUMP00000002934|OTTHUMP00000002935|ephrin type-A receptor 8|hydroxyaryl-protein kinase|protein-tyrosine kinase|tyrosine-protein kinase receptor EEK|tyrosylprotein kinase

Pathway

- [Axon guidance](#)

Disease

- [Celiac Disease](#)
- [Genetic Predisposition to Disease](#)