

EPHA4 recombinant protein

EPHA4, Active

CATALOG # AAA73515	HOST Sf9 insect cells	APPLICATIONS Western Blot
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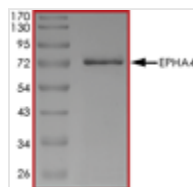
PRODUCT SYNONYMS

EPHA4; Active; SEK; HEK8; TYRO1; EPHA4 recombinant protein

PRODUCT SPECIFICATIONS

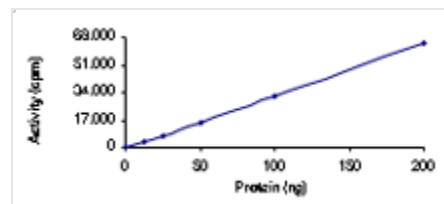
Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for EPHA4 recombinant protein	WB (Western Blot), Kinase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity

Specific Activity: Sample Kinase Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for EPHA4 recombinant protein	Recombinant human EPHA4 (570-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_004438. EPHA4 also known as EpHreceptor A4, belongs to the ephrin receptor subfamily of protein-tyrosine kinases which have been implicated in mediating developmental events, particularly in the nervous system (1). 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 (2).
Product Categories/Family for EPHA4 recombinant protein	Protein Kinases; Angiogenesis; Cancer; Cardiovascular Disease; Neurobiology; Receptor Tyrosine Kinases

References

1. Flanagan, J.G. et al: The ephrins and Eph receptors in neural development.". Annu. Rev. Neurosci. 1998;21: 309-45.
2. Dottori, M. et al: EphA4 (Sek1) receptor tyrosine kinase is required for the development of the corticospinal tract. Proc. Nat. Acad. Sci. 95: 13248-13253, 1998.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #

[NM_004438](#)

Molecular Weight

~73kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/epha4-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73515>