

EPHB3 recombinant protein

EPHB3, Active

CATALOG # AAA73522	HOST Sf9 insect cells	APPLICATIONS Western Blot
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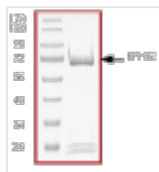
PRODUCT SYNONYMS

EPHB3; Active; ETK2; HEK2; Cek10; Mdk5; TYRO6; EPHB3 recombinant protein

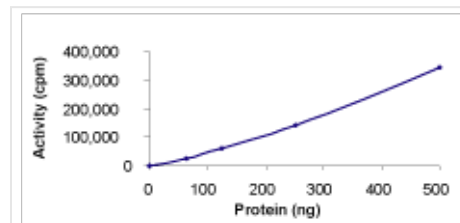
PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.
Applicable Applications for EPHB3 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 EPHB3 recombinant protein	Recombinant human EPHB3 (585-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_004443. EPHB3 is a member of the Ephrin receptor family and is expressed during embryonic development in multiple regions of the central nervous system. In adult brain, EPHB3 is expressed in the cerebellum, raphe pallidus, hippocampus, entorhinal cortex, and both motor and sensory cortices (1). EPHB3 is involved in the maintenance of mature neuronal connections and/or re-arrangement of synaptic connections during late stages of development. EPHB3 plays a role in the regulation of cell adhesion and migration, and the catalytic activity of EPHB3 is required for inhibition of integrin-mediated cell adhesion (2).
Product Categories/Family for EPHB3 recombinant protein	Protein Kinases ; Angiogenesis ; Cancer ; Cardiovascular Disease ; Neurobiology ; Receptor Tyrosine Kinases

References

1. Willson, CA. et al: EphB3 receptor and ligand expression in the adult rat brain. J Mol Histol. 2006 Nov;37(8-9):369-80.
2. Miao, H. et al: Inhibition of integrin-mediated cell adhesion but not directional cell migration requires catalytic activity of EphB3 receptor tyrosine kinase. Role of Rho family small GTPases. J Biol Chem. 2005 Jan 14;280(2):923-32.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #

[NM_004443](#)

Molecular Weight

~68kDa

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://www.aaabiotech.com/ephb3-recombinant-protein-sf9-wb-western-blot-kinase-assay/73522>