EPHB2 recombinant protein

EPHB2, Active

CATALOG #	HOST	APPLICATIONS
AAA73521	**Sf9 insect cells**	**Western Blot**

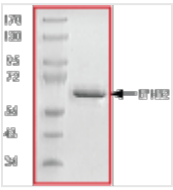
PRODUCT SYNONYMS

EPHB2; Active; DRT; ERK; CAPB; Hek5; PCBC; EPHT3; Tyro5; MGC87492; EPHB2 recombinant protein

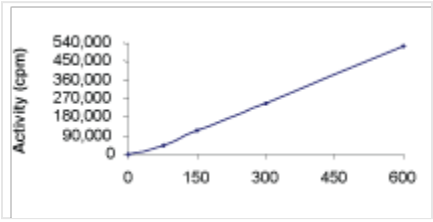
PRODUCT SPECIFICATIONS

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 EPHB2 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 EPHB2 recombinant protein	Recombinant human EPHB2 (570-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_004442. EPHB2 is a member of the EpHfamily of receptor tyrosine kinases that mediate neurodevelopmental processes such as boundary formation, axon guidance, vasculogenesis, and cell migration. EPHB2 has been shown to associate with the non-receptor tyrosine kinase Abl and activated EPHB2 causes tyrosine phosphorylation of Abl and regulates its activity (1). EPHB2 is overexpressed in a number of tumors particularly glioblastoma and this increases glioma cell migration and invasion (2).
Product Categories/Family for EPHB2 recombinant protein	Protein Kinases; Angiogenesis; Cancer; Cardiovascular Disease; Neurobiology; Receptor Tyrosine Kinases

References	1. Yu, H.H. et al: Multiple signaling interactions of Abl and Arg kinases with the EphB2 receptor. Oncogene. 2001 Jul 5;20(30):3995-4006. 2. Nakada, M. et al: The phosphorylation of EphB2 receptor regulates migration and invasion of human glioma cells. Cancer Res. 2004 May 1;64(9):3179-85.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_004442
Molecular Weight	~66kDa

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/ephb2-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73521