

Recombinant Human EPH Receptor B4, GST-tagged, Active

Cat. No. EPHB4-306H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human EPHB4 (561-end) was expressed by baculovirus in <i>Sf9</i> insect cell/susing an N-terminal GST tag. MW=50kDa.
Species	Human
Source	Sf9 Cells
ProteinLength	561-end a.a.
Description	EPHB4 is a member of the Eph family of receptor tyrosine kinases which play a role in regulating cell adhesion and cell movement during embryonic development. Furthermore, because tissue disorganization and abnormal cell adhesion, movement, and survival characterize the more advanced stages of cancer, the inappropriate functioning of Eph receptor could play a causal role in malignancy. EPHB4 is uniquely expressed in the vascular endothelial and endocardial cells and animal knockout studies with EPHB4 reveal a phenotype that is similar to Ephrin B2 gene knockdown. Furthermore, EPHB4 has been shown to be the major essential interaction partner of Ephrin B2 in angiogenesis.
Sequence	561-end.
Applications	Kinase Assay, Western Blot.
Storage And Stability	Store product at –70oC. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable

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

GENE INFORMATION

Gene Name	EPHB4 EPH receptor B4 [Homo sapiens]
Synonyms	EPHB4; EPH receptor B4; HTK; MYK1; TYRO11; ephrin receptor EphB4; soluble EPHB4 variant 1; soluble EPHB4 variant 2; soluble EPHB4 variant 3; hepatoma transmembrane kinase; EC 2.7.10.1; Tyro11; Ephrin type-B receptor 4; Tyrosine-protein kinase receptor HTK; Tyrosine-protein kinase TYRO11; EPH receptor B4; Tyrosine-protein kinase receptor HTK; ephrin receptor EphB4; hepatoma transmembrane kinase
Gene ID	2050
mRNA Refseq	NM_004444
Protein Refseq	NP_004435
MIM	600011
UniProt ID	P54760
Chromosome Location	7q22
Pathway	Axon guidance
Function	ATP binding; ephrin receptor activity; nucleotide binding; protein binding; receptor activity; transferase activity

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PDB rendering based
on 2bba.

