

Active Recombinant Human EPHB4 protein

Cat. No. EPHB4-697H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human EPHB4 protein(NP_004435.3)(Met 1-Ala 539) with quinary-aa peptide (DDDDK) at the C-terminus was expressed and purified in HEK293.
Species	Human
Source	HEK293
ProteinLength	1-539 aa
Form	Lyophilized from sterile 100mM NaCl, 50mM Tris, pH 7.5.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized human EphB4 at 2 µg/ml (100 µl/well) can bind human EphrinB2 with a linear range of 1-125 ng/ml.
Molecular Mass	The recombinant human EphB4 is a monomeric protein consisting of 530 amino acids and has a calculated molecular mass of 57.7 kDa. As a result of glycosylation, rhEphB4 migrates as an approximately 65-70 kDa protein in SDS-PAGE under reducing conditions.
Endotoxin	< 1 EU/g as determined by LAL test.
Purity	> 95 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to

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aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name EPHB4 EPH receptor B4 [Homo sapiens]

Official Symbol EPHB4

Synonyms

EPHB4; EPH receptor B4; EphB4 , HTK; ephrin type-B receptor 4; Tyro11; ephrin receptor EphB4; soluble EPHB4 variant 1; soluble EPHB4 variant 2; soluble EPHB4 variant 3; hepatoma transmembrane kinase; tyrosine-protein kinase TYRO11; tyrosine-protein kinase receptor HTK; HTK; MYK1; TYRO11;

Gene ID 2050

mRNA Refseq NM_004444

Protein Refseq NP_004435

MIM 600011

UniProt ID P54760

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