

Recombinant Human EPHB4 Protein (Met1-Ala539), His-tagged, Biotinylated

Cat. No. EPHB4-363H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human EPHB4 Protein (NP_004435.3) (Met1-Ala539) was produced by Baculovirus-Insect Cells expression system. This protein was expressed with a C-terminal polyhistidine tag. The purified protein was biotinylated in vitro.
Species	Human
Source	Insect Cells
ProteinLength	Met1-Ala539
Description	Ephrin type-B receptor 4 is a protein that in humans is encoded by the EPHB4 gene. It is a single-pass type I membrane protein belonging to the ephrin receptor subfamily of protein kinase superfamily. Members of the ephrin and Eph family are local mediators of cell function through largely contact-dependent processes in development and in maturity. Furthermore, EphB4 protein and the corresponding ligand Ephrin-B2 contribute to tumor growth in various human tumors. EphB4 protein has tumor suppressor activities and that regulation of cell proliferation, extracellular matrix remodeling, and invasive potential are important mechanisms of tumor suppression. Therefore, Ephrin-B2/EphB4 may be recognized as a novel prognostic indicator for cancers.
Predicted N Terminal	Leu 16
Form	Lyophilized from sterile Sterile PBS. Normally 5 % - 8 % trehalose, mannitol and

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	0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant EPHB4 consists of 535 amino acids and predicts a molecular mass of 58.5 kDa.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70 centigrade.
Storage	Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted 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 mg/ml. Centrifuge the vial at 4°C before opening to recover the entire contents.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.
Conjugation	Biotin

GENE INFORMATION

Gene Name	EPHB4 EPH receptor B4 [Homo sapiens]
Official Symbol	EPHB4

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Synonyms	EPHB4; EPH receptor B4; EphB4 , HTK; ephrin type-B receptor 4; Tyro11; ephrin receptor EphB4; HTK; MYK1; TYRO11;
Gene ID	2050
mRNA Refseq	NM_004444
Protein Refseq	NP_004435
MIM	600011
UniProt ID	P54760

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