Recombinant Human EphB4/HTK Protein (His Tag)

Catalog No. PKSH031738

Note: Centrifuge before opening to ensure complete recovery of vial contents.

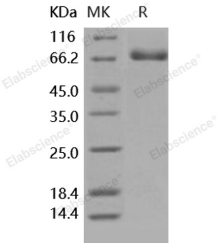
Description

Synonyms	HTK;MYK1;TYRO11
Species	Human
Expression Host	HEK293 Cells
Sequence	Met 1-Ala 539
Accession	NP_004435.3
Calculated Molecular Weight	58.5 kDa
Observed molecular weight	72 kDa
Tag	C-His
Bioactivity	Immobilized human EphB4 at 2 μg/ml (100 μl/well) can bind human EphrinB2 with a linear range of 1-25 ng/ml.

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile 100mM Glycine, 10mM NaCl, 50mM Tris, pH 7.4 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

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

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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.

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