

Recombinant Mouse EphB4/HTK Protein (Fc Tag)

Catalog No. PKSM040599

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

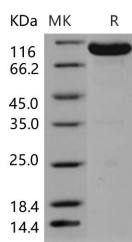
Description

Synonyms	AI042935;Htk;MDK2;Myk1;Tyro11
Species	Mouse
Expression Host	HEK293 Cells
Sequence	Met 1-Ala 539
Accession	P54761-1
Calculated Molecular Weight	84.7 kDa
Observed molecular weight	110 kDa
Tag	C-hFc
Bioactivity	Immobilized mouse EPHB2-His at 10 µg/mL (100 µl/well) can bind mouse EPHB4-Fc, The EC50 of mouse EPHB4-Fc is 15 ng/mL.

Properties

Purity	> 97 % 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°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, 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



> 97 % 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.