

Recombinant Human EphB4/HTK Protein (Fc Tag)

Catalog Number:PKSH031739



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

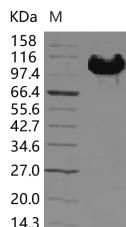
Description

| | |
|------------------------------------|--|
| Synonyms | HTK;MYK1;TYRO11 |
| Species | Human |
| Expression Host | HEK293 Cells |
| Sequence | Met 1-Ala 539 |
| Accession | NP_004435.3 |
| Calculated Molecular Weight | 83.8 kDa |
| Observed molecular weight | 105-115 kDa |
| Tag | C-hFc |
| Bioactivity | Immobilized human EFN B2 at 2 µg/ml (100 µl/well) can bind human EphB4-Fc with a linear range of 1. 56-12.5 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°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



> 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 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

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recognized as a novel prognostic indicator for cancers.

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