

RP01209

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# Recombinant Human EphB4/HTK Protein

Catalog No.: RP01209

Recombinant

## Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	2050	P54760

### Tags

C-hFc&His

### Synonyms

EPHB4;HFASD;HTK;MYK1;TYRO11

## Product Information

Source	Purification
HEK293 cells	> 97% by SDS-PAGE.

### Endotoxin

< 0.1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

### Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Background

Ephrin receptors and their ligands, the ephrins, mediate numerous developmental processes, particularly in the nervous system. Based on their structures and sequence relationships, ephrins are divided into the ephrin-A (EFNA) class, which are anchored to the membrane by a glycosylphosphatidylinositol linkage, and the ephrin-B (EFNB) class, which are transmembrane proteins. The Eph family of receptors are divided into 2 groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. Ephrin receptors make up the largest subgroup of the receptor tyrosine kinase (RTK) family. The protein encoded by this gene binds to ephrin-B2 and plays an essential role in vascular development.

## Basic Information

### Description

Recombinant Human EphB4/HTK Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Met 1-Ala 539) of human EphB4/HTK (Accession #NP\_004435.3) fused with a Fc, 6×His tag at the C-terminus.

### Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized Human EFNB2 at 0.5 μg/mL (100 μL/well) can bind Human EPHB4 with a linear range of 6-400 pg/mL.

### Storage

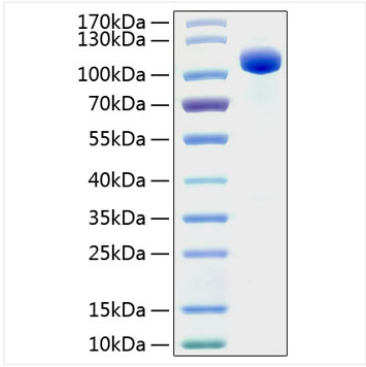
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

## Contact

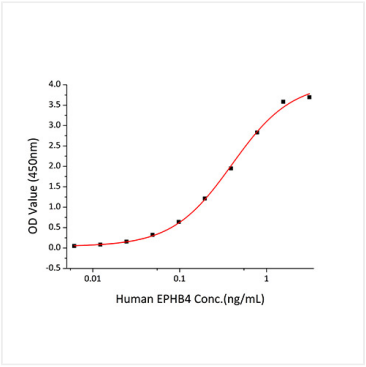


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# Validation Data



Active Recombinant Human EphB4/HTK Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 105-115 kDa.



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