

# **Recombinant Human EphB1/EPHT2 Kinase**

Catalog No.: RP03411LQ Recombinant

# **Sequence Information**

Species Gene ID Swiss Prot Human 2047 P54762

## Tags

No tag

#### **Synonyms**

EPHB1; ELK; EPHT2; HEK6; NET; EPH-2; EK6; hEK6; NET; Ephrin type-B receptor 1; EPH tyrosine kinase 2; EPH-like kinase 6

## **Product Information**

Source	Purification
E. coli	≥ 90 % as

determined by SDS-PAGE;≥ 90 % as determined by HPLC.

## Calculated MW Observed MW

33.5 kDa 28-38 kDa

#### **Endotoxin**

< 1 EU/µg of the protein by LAL method.

#### **Formulation**

Supplied as a 0.22 µm filtered solution in 50 mM Tris-HCl, 500 mM NaCl, 5% glycerol. (pH 8.0). Contact us for customized product form or formulation.

#### Reconstitution

Please use running water to thaw it quickly.

#### **Contact**

<u>a</u>	400-999-6126
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•	www.abclonal.com.cn

## **Background**

Ephrin type-B receptor 1 is a protein that in humans is encoded by the EPHB1 gene. 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 is a receptor for ephrin-B family members.

## **Basic Information**

#### Description

Recombinant Human EphB1/EPHT2 Kinase is produced by E. coli expression system. The target protein is expressed with sequence (Asp602-Ala896) of Human EPHB1 (Accession #P54762) fused with No tag.

#### **Bio-Activity**

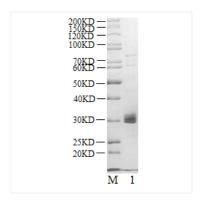
The activity of EPHB1 is based on the ADP-GLO kinase activity assay quantifies kinase activity by measuring the conversion of ATP to ADP catalyzed by the kinase. Specific reagents are used to convert the ADP in the reaction back to ATP, resulting in the production of a luminescent signal.

### Storage

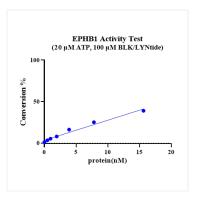
Store at -70°C. This product is stable at  $\leq$  -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature.

Aliquots below 10  $\mu$ L are not advisable. Product must not be stored in diluted solutions. Avoid repeated freeze-thaw cycles.

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Recombinant Human EphB1/EPHT2 Kinase was resolved with SDS-PAGE under reducing (Lane 1) conditions.



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