

Recombinant Human EphB1/EPHT2 Kinase

Catalog No.: RP03411LQ

Sequence Information

Species **Gene ID**
Human 2047

Swiss Prot **Tags**
P54762 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.

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.

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.

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -70°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

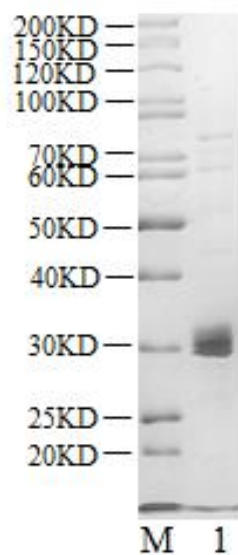
Contact

☎ | 400-999-6126

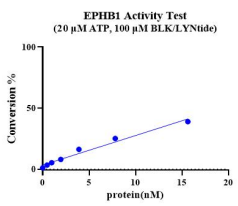
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Validation Data



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



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