

Catalog No.: RP03393LQ **Recombinant**

| Species | Gene ID | Swiss Prot |
|---------|---------|------------|
| Human | 2048 | P29323 |

Tags
N-GST

EPHB2; DRT; EPHT3; EPTH3; ERK; HEK5;
TYRO5; Ephrin type-B receptor 2

| | |
|--------------------------|---|
| Source | Purification |
| Baculovirus-Insect Cells | ≥ 90 % as determined by SDS-PAGE; ≥ 90 % as determined by HPLC. |

| Calculated MW | Observed MW |
|---------------|-------------|
| 80.2 kDa | 70-85 kDa |

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

Supplied as a 0.22 µm filtered solution in 50 mM Tris-HCl, 150 mM NaCl, 5% glycerol, 5 mM DTT, 0.1M Trehalose. (pH 7.5). Contact us for customized product form or formulation.

Please use running water to thaw it quickly.

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Ephrin type-B receptor 2 is a protein that in humans is encoded by the EPHB2 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

Recombinant Human EphB2/EPH3 Kinase is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (Leu581-Gly1055) of Human EPHB2 (Accession #P29323) fused with a N-GST tag.

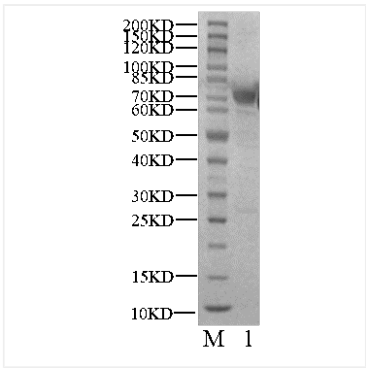
The activity of EPHB2 is based on the MSA technology, and the content and ratio of the substrate and the product are directly separated and detected in real time and dynamically by the different migration rates of the substrate and the product after the enzymatic reaction.

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

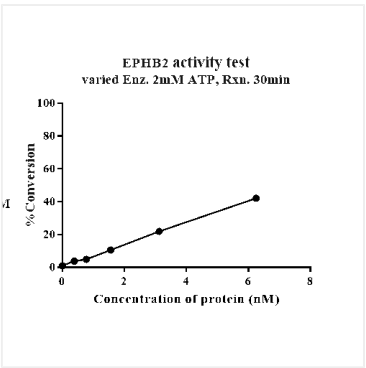
Aliquots below 10 μ L are not advisable. Product must not be stored in diluted solutions. Avoid repeated freeze-thaw cycles.

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Validation Data



Recombinant Human EphB2/EPHT3 Kinase was resolved with SDS-PAGE under reducing (Lane 1) conditions.



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