

# Recombinant Mouse EphB2 Protein

Catalog No.: RP01156 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Mouse	13844	P54763-3

### Tags

C-His

### Synonyms

CAPB;DRT;EK5;EPHT3;ERK;Hek5;PCBC;Tyro5;Tyrosine-protein kinase receptor EPH-3;Tyrosine-protein kinase receptor SEK-3;EPHB2;CAPB;DRT;EK5;EPHT3;ERK;Hek5;PCBC;Tyro5;Tyrosine-protein kinase receptor EPH-3;Tyrosine-protein kinase receptor SEK-3;EPHB2

## Product Information

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

Calculated MW	Observed MW
60.52 kDa	70-75 kDa

### 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.

## Contact

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## Background

### Basic Information

#### Description

Recombinant Mouse EphB2 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Met1-Lys540) of mouse EphB2 (Accession #NP\_034272.1) fused with a 6×His tag at the C-terminus.

#### Bio-Activity

1. Measured by its binding ability in a functional ELISA. Immobilized Mouse EphB2 (Catalog: RP01156) at 2 μg/mL (100 μL/well) can bind Mouse Ephrin B2 with a linear range of 0.12-0.92 ng/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.

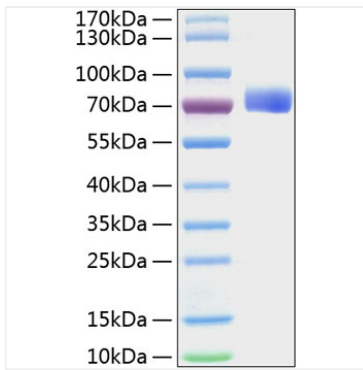


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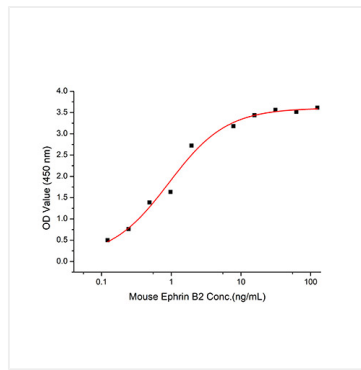
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## Validation Data

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Recombinant Mouse EphB2 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 70-75 kDa..



Immobilized Mouse EphB2 (Catalog: RP01156) at 2  $\mu$ g/mL (100  $\mu$ L/well) can bind Mouse Ephrin B2 with a linear range of 0.12-0.92 ng/mL.