

# Mouse Ephrin-B2 (His Tag) recombinant protein



Catalog Number: 500099

## General Information

### Gene Name Synonym

ELF-2; EPH-related receptor tyrosine kinase ligand 5; HTK ligand

### Protein Construction

A DNA sequence encoding the mouse EFNB2 (NP\_034241.2) extracellular domain (Met 1-Ala 232) was fused with a polyhistidine tag at the C-terminus.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its ability to compete with mouse EFNB2-Fc for binding to immobilized mouse EPHB4 in a functional ELISA assay.

### Purity

> 95 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

Arg 29

## Molecular Mass

The secreted recombinant mouse EFNB2 comprises 215 amino acids and has a predicted molecular mass of 23.5 kDa. As a result of glycosylation, the apparent molecular mass of rmEFNB2 is approximately 30-40 kDa in SDS-PAGE under reducing conditions.

## Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

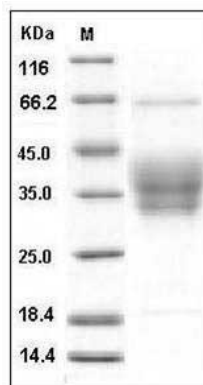
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

## Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

## SDS-PAGE



Mouse Ephrin-B2 / EFNB2 Protein (His Tag) SDS-PAGE