

# Danio rerio (zebrafish) EFNB2A / Ephrin B2a (His Tag) recombinant protein



Catalog Number: 503582

## General Information

### Protein Construction

A DNA sequence encoding the zebrafish EFNB2A (O73874) (Met 1-Ala222) was expressed with a polyhistidine tag at the C-terminus.

### Organism

Danio rerio (zebrafish)

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA.

Immobilized zebrafish EFNB2A-His at 10 µg/ml (100 µl/well) can bind human EphB4-Fc (Cat:503223), The EC<sub>50</sub> of human EphB4-Fc (Cat:503223) is 15.5-36.3 ng/ml.

### Purity

> 95 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Leu 25

## Molecular Mass

The recombinant zebrafish EFNB2A consists of 209 amino acids and has a calculated molecular mass of 23.3 kDa. It migrates as an 35-40 KDa band 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

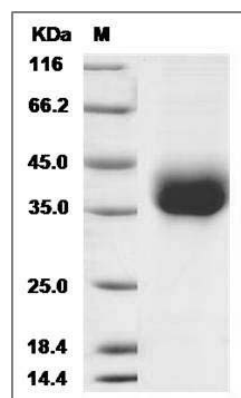
### Storage

Store it under sterile conditions at -20°C to -80°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



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