

# Rat Ephrin-A1/EFNA1 (His Tag) recombinant protein



Catalog Number: 501342

## General Information

### Gene Name Synonym:

EPH-related receptor tyrosine kinase ligand 1; Immediate early response protein B61; Ephrin-A1, secreted form

### Protein Construction:

A DNA sequence encoding the rat EFNA1 (P97553) (Met1-His181) was expressed, fused with a polyhistidine tag at the C-terminus.

**Source:**Rat

**Expression Host:**Human Cells

## QC Testing

### Activity:

Measured by its binding ability in a functional ELISA.

Immobilized Rat EFNA1-His (Cat:501342) at 10 µg/mL (100 µl/well) can bind biotinylated mouse EPHA2-His (Cat:502565) with a linear range of 6.25-200 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:

Ala 18

### Molecular Mass:

The recombinant rat EFNA1 comprises 175 amino acids and predicts a molecular mass of 20.7 kDa. The apparent molecular mass of the rat EFNA1 is approximately 27 kDa in SDS-PAGE under reducing conditions due to glycosylation.

### 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

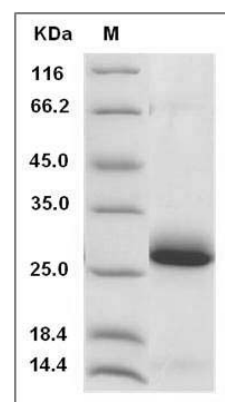
### Storage:

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:



Rat Ephrin-A1 / EFNA1 Protein (His Tag) SDS-PAGE