

# Rat Ephrin-A5/EFNA5 (His Tag) recombinant protein



Catalog Number: 503443

## General Information

### Gene Name Synonym

AL-1; EPH-related receptor tyrosine kinase ligand 7

### Protein Construction

A DNA sequence encoding the rat EFNA5 (P97605) (Met 1-Glu 202), without the pro peptide, was expressed, fused with a polyhistidine tag at the C-terminus.

### Organism

Rat

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA.

Immobilized rat EFNA5-His at 10 µg/ml (100 µl/well) can bind rat EPHA3-Fc (Cat:501126). The EC<sub>50</sub> of rat EPHA3-Fc (Cat:501126) is 12.1-28.3 ng/ml.

### Purity

> 97 % 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

Gln 21

### Molecular Mass

The recombinant rat EFNA5 comprises 193 amino acids and predicts a molecular mass of 22.5 kDa. The apparent molecular mass of the ratEFNA5 is approximately 27 kDa in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile PBS, pH 7.5

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

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

## Usage Guide

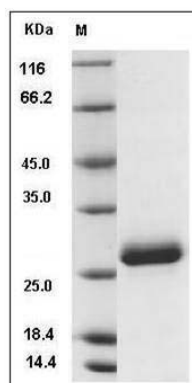
### Storage

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-A5 / EFNA5 Protein (His Tag) SDS-PAGE