

# Rat GFRA1 (Fc Tag) recombinant protein



Catalog Number: 503822

## General Information

### Gene Name Synonym

RET ligand 1; TGF-beta-related neurotrophic factor receptor 1

### Protein Construction

A DNA sequence encoding the rat GFRA1 (Q62997) (Met1-Leu445) was expressed with the Fc region of human IgG1 at the C-terminus.

### Organism

Rat

### Expression Host

Human Cells

## QC Testing

### Activity

Immobilized rat His-GDNF (78-211) (Cat:501013) at 10 µg/ml (100 µl/well) can bind rat GFRA1-Fc, The EC<sub>50</sub> of rat GFRA1-Fc is 20-46.6 ng/ml.

### Purity

> 90 % 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

Asp 25

### Molecular Mass

The recombinant rat GFRA1/Fc is a disulfide-linked homodimer. The reduced monomer comprises 662 amino acids and has a predicted molecular mass of 73.8 kDa. The apparent molecular mass of the protein is approximately 85 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

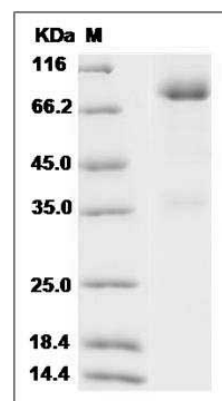
### Storage

Store it under sterile conditions at -20°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 GFRA1 / GFR alpha-1 Protein (Fc Tag) SDS-PAGE