

# Rat GFRA1 (His Tag) recombinant protein



Catalog Number: 500430

## General Information

### Gene Name Synonym

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

### Protein Construction

A DNA sequence encoding the rat GFRA1 (Q62997-1) (Met 1-Leu 445) was expressed, fused with a polyhistidine tag at the C-terminus.

### Organism

Rat

### Expression Host

Human Cells

## QC Testing

### Activity

Measured in a cell proliferation assay using SH-SY5Y human neuroblastoma cells. The ED<sub>50</sub> for this effect is typically 0.2-1 µg/mL in the presence of 40 ng/mL Recombinant Rat GDNF.

### 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

Asp 25

## Molecular Mass

The recombinant rat GFRA1 comprises 432 amino acids and predicts a molecular mass of 48 kDa. The apparent molecular mass of the rat GFRA1 is approximately 58-65 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

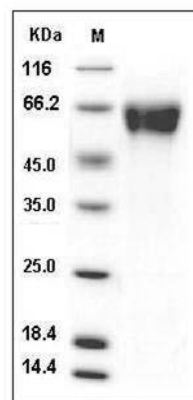
### Storage

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 GFRA1 / GFR alpha-1 Protein (His Tag) SDS-PAGE