

# Rat (His Tag) recombinant protein



Catalog Number: 502944

## General Information

### Gene Name Synonym

Beta-1 metal-binding globulin; Liver regeneration-related protein LRRG03; Siderophilin

### Protein Construction

A DNA sequence encoding the rat TF (NP\_001013128.1) (Met1-Ser698) was expressed with a polyhistidine tag at the C-terminus.

### Organism

Rat

### Expression Host

Human Cells

## QC Testing

### Activity

Measured in a serum-free cell proliferation assay using MCF-7 human breast cancer cells. Karey, K.P. et al. (1988) Cancer Research 48:4083. The ED<sub>50</sub> for this effect is typically 0.02-1 µg/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

Val 20

### Molecular Mass

The recombinant rat TF comprises 690 amino acids and predicts a molecular mass of 76 kDa. The apparent molecular mass of the recombinant protein is approximately 89 kDa in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile PBS, pH 7.2.

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

## Usage Guide

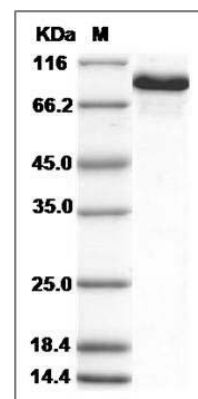
### Storage

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 Transferrin / TF Protein (His Tag) SDS-PAGE