

# Mouse Transferrin/TF (His Tag) recombinant protein



Catalog Number: 500144

## General Information

### Gene Name Synonym

Beta-1 metal-binding globulin; Siderophilin

### Protein Construction

A DNA sequence encoding the mouse TRF (Q921I1) (Met1-His697) was expressed with a C-terminal polyhistidine tag.

### Organism

Mouse

### 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 0.05-0.2 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 mouse TRF comprises 689 amino acids and has a predicted molecular mass of 76.3 kDa. The apparent molecular mass of the protein is approximately 61-66 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

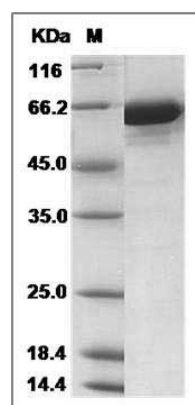
### Storage

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



Mouse Transferrin / CD176 / Serotransferrin Protein (His Tag) SDS-PAGE