

Mouse Transferrin/TF (Fc Tag) recombinant protein



Catalog Number: 503348

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 the Fc region of human IgG1 at the C-terminus.

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 ED₅₀ for this effect is typically 5-40 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

Val 20

Molecular Mass

The recombinant mouse TRF/Fc is a disulfide-linked homodimer. The reduced monomer comprises 919 amino acids and has a predicted molecular mass of 101.9 kDa. The apparent molecular mass of the protein is approximately 102 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

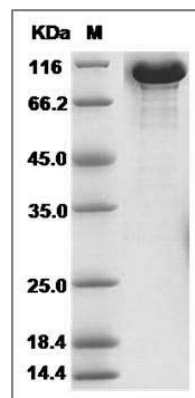
Storage

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 (Fc Tag) SDS-PAGE