

Cynomolgus Transferrin Receptor/TFRC/CD71 (His Tag) recombinant protein



Catalog Number: 504204

General Information

Gene Name Synonym

Transferrin receptor protein 1; Uncharacterized protein

Protein Construction

A DNA sequence encoding the cynomolgus TFRC (NP_001244232.1) (Cys89-Phe760) was expressed with a polyhistidine tag at the N-terminus.

Organism

Cynomolgus

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to neutralize transferrin-mediated effect on proliferation of MCF-7 cells. The ED₅₀ for this effect is typically 2-10 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

His

Molecular Mass

The recombinant cynomolgus TFRC comprises 692 amino acids and has a calculated molecular mass of 77.6 KDa. The apparent molecular mass of it is approximately 65-85 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

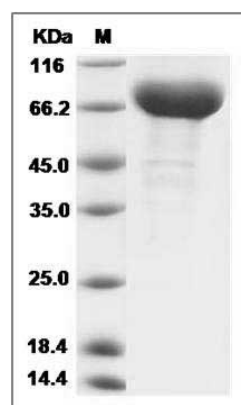
Storage

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



Cynomolgus Transferrin Receptor / TFRC / CD71 Protein (His Tag) SDS-PAGE