

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



Catalog Number: 504589

General Information

Protein Construction

A DNA sequence encoding the extracellular domain of human TFRC (NP_003225.2) (Cys 89-Phe 760) was expressed with a polyhistidine tag at the N-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by its binding ability in a functional ELISA. Immobilized human CD71 at 10 µg/ml (100 µl/well) can bind human Transferrin. The EC₅₀ of human Transferrin is 5.6 ng/mL.

Purity

> 85 % 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 human TFRC comprises 689 amino acids and has a predicted molecular mass of 77.4 kDa.

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

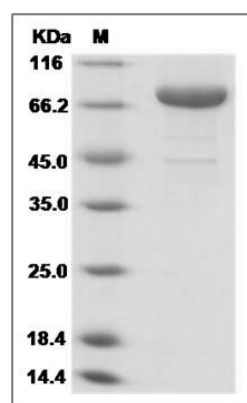
Storage

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



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