# 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  $\mu$ g/ml (100  $\mu$ l/well) can bind human Transferrin. The EC<sub>50</sub> of human Transferrin is 5.6 ng/mL.

# **Purity**

> 85 % as determined by SDS-PAGE

#### **Endotoxin**

< 1.0 EU per  $\mu g$  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**

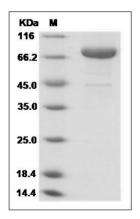
# **Storage**

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