

# 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.

**Source:**Cynomolgus

**Expression Host:**Human Cells

## QC Testing

### Activity:

Measured by its ability to neutralize transferrin-mediated effect on proliferation of MCF-7 cells. The ED<sub>50</sub> 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

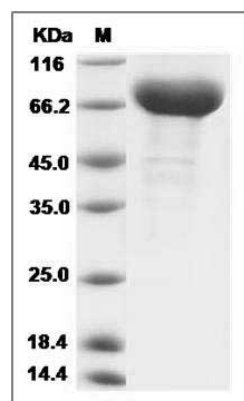
### Storage:

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