

RP00085

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# Recombinant Human sTfR/CD71 Protein

Catalog No.: RP00085

Recombinant

1 Publications

## Sequence Information

Species	Gene ID	Swiss Prot
Human	7037	P02786

### Tags

C-His

### Synonyms

TFRC; CD71; IMD46; T9; TFR; TFR1; TR; TRFR; p90; transferrin receptor; CD71; IMD46; T9; TFR; TFR1; TR; TRFR; p90

## Product Information

Source	Purification
HEK293 cells	> 97% by SDS-PAGE.

### Endotoxin

< 0.1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

### Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize freeze-thaw cycles.

## Contact



[www.abclonal.com](http://www.abclonal.com)

## Background

This protein is a cell surface receptor necessary for cellular iron uptake by the process of receptor-mediated endocytosis. This receptor is required for erythropoiesis and neurologic development. Multiple alternatively spliced variants have been identified.

## Basic Information

### Description

Recombinant Human sTfR/CD71 Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Cys89-Phe760) of human sTfR (Accession #NP\_001121620.1) fused with a 6×His tag at the C-terminus.

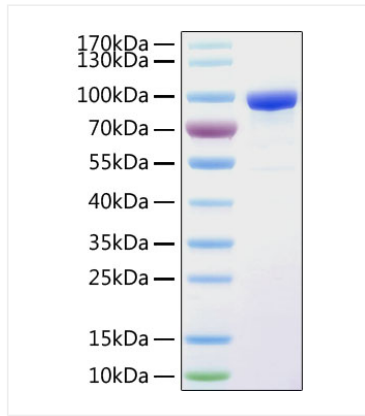
### Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized Recombinant human Transferrin at 2 μg/mL (100 μL/well) can bind Recombinant human TfR with a linear range of 4-17 ng/mL.

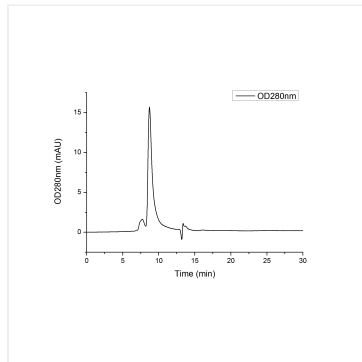
### Storage

Store the lyophilized protein at -20°C to -80 °C for long term. (br)After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

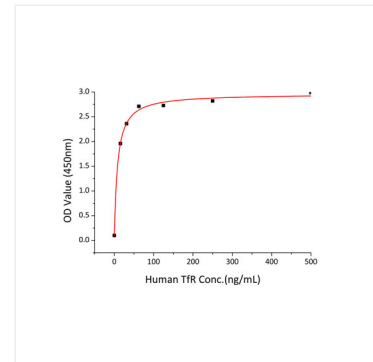
## Validation Data



Recombinant Human sTfR/CD71 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 85 kDa.



The purity of Human sTfR Protein (Cat.RP00085) was greater than 90% as determined by SEC-HPLC.



Immobilized Recombinant human Transferrin at 2  $\mu\text{g/mL}$  (100  $\mu\text{L/well}$ ) can bind Recombinant human TfR with a linear range of 4-17 ng/mL.