

Human CellExp CD71 / TFRC / TFR, human recombinant protein
CD71, TFRC, TFR, sTfR, TfR1, Trfr, T9, p90
Catalog # PBV10904r**Specification****Human CellExp CD71 / TFRC / TFR, human recombinant protein - Product info**Primary Accession
Calculated MW[P02786](#)

This protein is fused with 6×His tag at the N-terminus, has a calculated MW of 76 kDa. The predicted N-terminus is Cys 89. DTT-reduced Protein migrates as 80-85 kDa due to glycosylation. KDa

Human CellExp CD71 / TFRC / TFR, human recombinant protein - Additional InfoGene ID
Gene Symbol**7037**
TFRC**Other Names**

CD71, TFRC, TFR, sTfR, TfR1, Trfr, T9, p90

Gene Source
Source
Assay&Purity
Assay2&Purity2
Recombinant
Results

Human
HEK293 cells
SDS-PAGE; ≥92%
N/A;
Yes
Measured by its binding ability in a functional ELISA. Immobilized rhCD71/TFR at 10 µg/ml (100 µl/well) can bind human Transferrin. The EC50 of human Transferrin is 6.4 ng/ml.

Target/Specificity
CD71 /TFRC /TFR**Application Notes**

Centrifuge the vial prior to opening. Reconstitute in sterile PBS, pH 7.4 to a concentration of 50 µg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 month. For extended storage, it is recommended to store at -20°C.

Format
Lyophilized**Storage**
-20°C; Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Generally 5-8% Mannitol or trehalose is added as a protectant before lyophilization.**Human CellExp CD71 / TFRC / TFR, human recombinant protein - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Human CellExp CD71 / TFRC / TFR, human recombinant protein - Images

Human CellExp CD71 / TFRC / TFR, human recombinant protein - Background

CD antigen CD71 is also known as Transferrin receptor protein 1, TfR, sTfR, p90, TfR1, Trfr, which belongs to the peptidase M28 family and M28B subfamily. CD71 /TFR contains one PA (protease associated) domain. CD71 / TfR1 is required for iron delivery from transferrin to cells. CD71 is a potential new target in cases of human leukemia & lymphoma. CD71 /TFRC / TfR has been shown to interact with GABARAP and HFE.

Human CellExp CD71 / TFRC / TFR, human recombinant protein - References

Schneider C.,et al.Nature 311:675-678(1984).

McClelland A.,et al.Cell 39:267-274(1984).

Evans P.,et al.Gene 199:123-131(1997).

Wheeler D.L.,et al.Thesis (1999), University of Iowa, United States.

Totoki Y.,et al.Submitted (MAR-2005) to the EMBL/GenBank/DDBJ databases.