

# Human CellExp™ CD71 / TFRC / TFR, human recombinant

<b>CATALOG #:</b>	7279-10	10 µg
	7279-50	50 µg
<b>ALTERNATE NAMES:</b>	CD71, TFRC, TFR, sTfR, TfR1, Trfr, T9, p90	
<b>SOURCE:</b>	HEK 293 cells (Cys 89 - Phe 760)	
<b>PURITY:</b>	≥ 92% by SDS-PAGE gel	
<b>MOL. WEIGHT:</b>	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.	
<b>ENDOTOXIN LEVEL:</b>	<1 EU/µg by LAL method	
<b>FORM:</b>	Lyophilized	

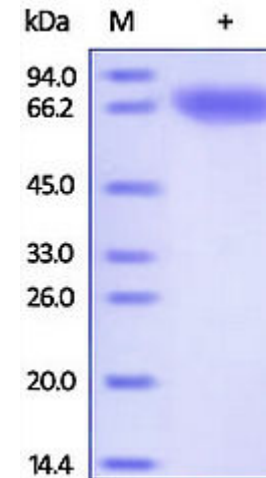
**FORMULATION:** Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Generally 5-8% Mannitol or trehalose is added as a protectant before lyophilization.

**STORAGE CONDITIONS:** Store at -20°C. After reconstitution, aliquot and store at -20°C and use within 3 months. Avoid repeated freezing and thawing cycles.

**RECONSTITUTION:** 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.

**DESCRIPTION:** 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.

**BIOLOGICAL ACTIVITY:** Measured by its binding ability in a functional ELISA. Immobilized rhCD71/TFR at 10 µg/ml (100 µl/well) can bind human Transferrin. The EC<sub>50</sub> of human Transferrin is 6.4 ng/ml.



Human recombinant CD71 /TFRC /TFR

## RELATED PRODUCTS:

- Human CellExp™ CD223, human recombinant (Cat. No. 7278-10, -50)
- Human CellExp™ CD273, human recombinant (Cat. No. 7369-10, -50)
- Human CellExp™ CD33, human recombinant (Cat. No. 7370-10, -50)
- Human CellExp™ CD36, human recombinant (Cat. No. 7371-10, -50)
- Human CellExp™ CD87, human recombinant (Cat. No. 7372-20, -100)
- Human CellExp™ CD360, human recombinant (Cat. No. 7373-20, -100)
- Human CellExp™ CD244, human recombinant (Cat. No. 7374-10, -50)
- Human CellExp™ CD304, human recombinant (Cat. No. 7375-10)

**FOR RESEARCH USE ONLY! Not to be used in humans.**