

**Synonym**

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

SourceMouse Transferrin R Protein, Fc Tag(TFR-M5263) is expressed from human 293 cells (HEK293). It contains AA Cys 89 - Phe 763 (Accession # [Q62351-1](#)).

Predicted N-terminus: Pro

Molecular Characterization

Fc(Pro 100 - Lys 330)	TfR(Cys 89 - Phe 763)
P01857	Q62351-1

This protein carries a human IgG1 Fc tag at the N-terminus.

The protein has a calculated MW of 102.3 kDa. The protein migrates as 105-125 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.**Endotoxin**Less than 1.0 EU per μ g by the LAL method / rFC method.**Purity**

>90% as determined by SDS-PAGE.

FormulationLyophilized from 0.22 μ m filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

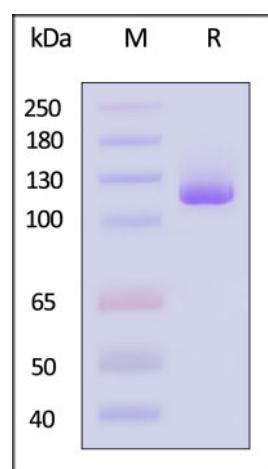
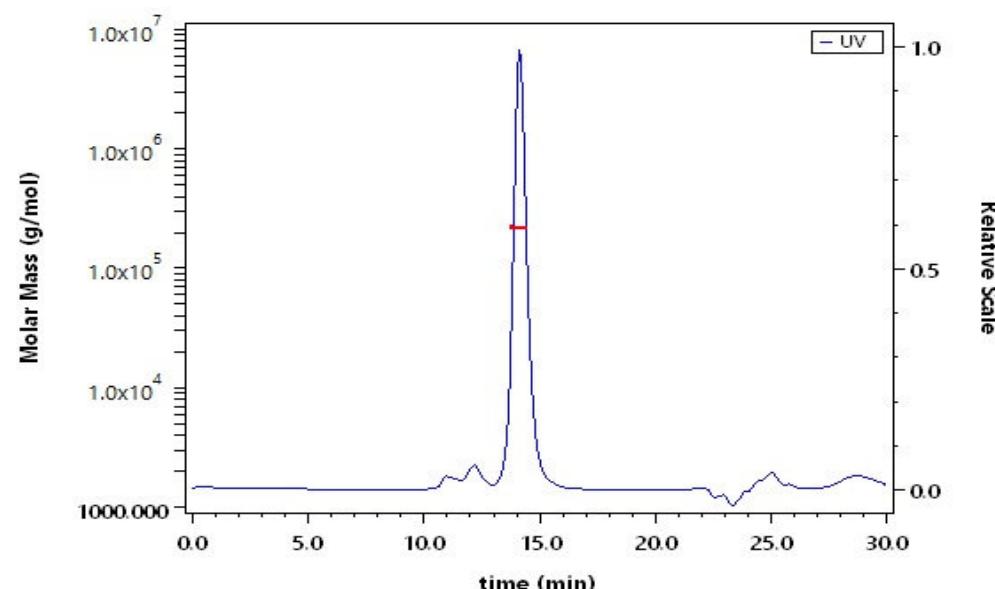
*For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.***Storage**

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

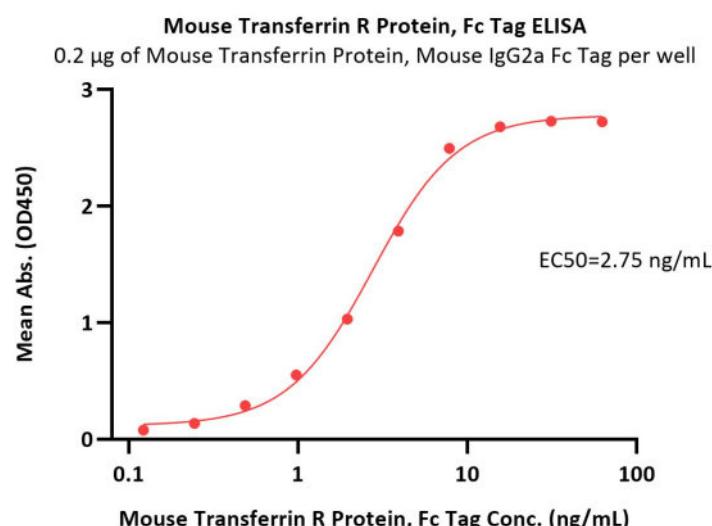
This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGEMouse Transferrin R Protein, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).**SEC-MALS**

The purity of Mouse Transferrin R Protein, Fc Tag (Cat. No. TFR-M5263) is more than 85% and the molecular weight of this protein is around 210-250 kDa verified by SEC-MALS.

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Immobilized Mouse Transferrin Protein, Mouse IgG2a Fc Tag (Cat. No. TRN-M525b) at 2 µg/mL (100 µL/well) can bind Mouse Transferrin R Protein, Fc Tag (Cat. No. TFR-M5263) with a linear range of 0.1-8 ng/mL (QC tested).

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 leukomia & lymphoma. CD71 /TFRC / TfR has been shown to interact with GABARAP and HFE.

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