

Datasheet for ABIN7275701

**Transferrin Receptor Protein (AA 89-760) (Fc Tag)****4** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	Transferrin Receptor (TFRC)
Protein Characteristics:	AA 89-760
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Transferrin Receptor protein is labelled with Fc Tag.

## Product Details

Purpose:	Human Transferrin R/CD71 Protein
Sequence:	Cys89-Phe760
Characteristics:	Recombinant Human Transferrin R/CD71 Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Cys89-Phe760.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human Transferrin R, hFc Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Anti-Transferrin R Antibody, hFc Tag with the EC50 of 25.6ng/ml determined by ELISA. The affinity constant of 0.1µM as determined in SPR assay (Biacore T200). See testing image for detail.

## Target Details

Target:	Transferrin Receptor (TFRC)
Alternative Name:	Transferrin R ( <a href="#">TFRC Products</a> )
Background:	The transferrin receptor (CD71) is known as a receptor for IgA1 on mesangial cells. The transcript and protein expression of glomerular CD71 was determined by real-time polymerase chain reaction and immunohistochemistry. Human mesangial cells (HMCs) were treated with sera from IgAN patients and expression levels of CD71 and inflammatory cytokine markers were compared according to disease status.
Molecular Weight:	101.8 kDa. Due to glycosylation, the protein migrates to 105-115 kDa based on Tris-Bis PAGE result.
Pathways:	<a href="#">Transition Metal Ion Homeostasis</a>

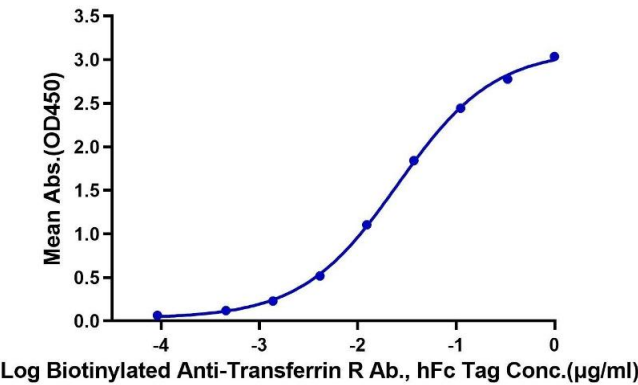
## Application Details

Restrictions:	For Research Use only
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## Handling

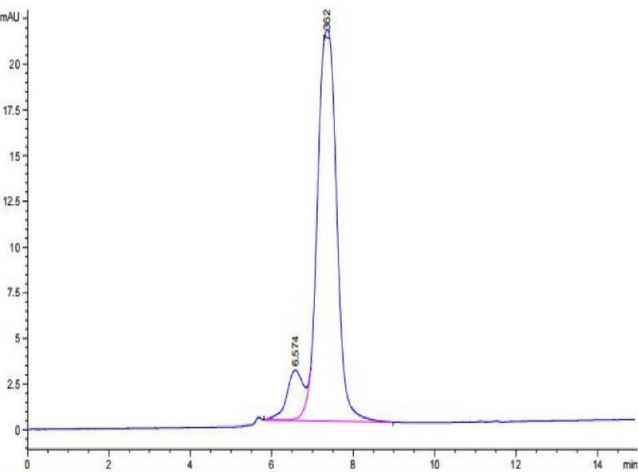
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months

**Human Transferrin R, hFc Tag ELISA**  
0.1µg Human Transferrin R, hFc Tag Per Well



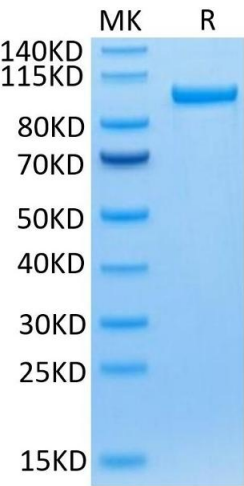
**ELISA**

**Image 1.** Immobilized Human Transferrin R, hFc Tag at 1 µg/mL (100 µL/well) on the plate. Dose response curve for Biotinylated Anti-Transferrin R Antibody, hFc Tag with the EC50 of 25.6 ng/mL determined by ELISA.



**Size-exclusion chromatography-High Pressure Liquid Chromatography**

**Image 2.** The purity of Human Transferrin R is greater than 90 % as determined by SEC-HPLC.



**SDS-PAGE**

**Image 3.** Human Transferrin R on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7275701.