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## Datasheet for ABIN7275703 Transferrin Receptor Protein (AA 89-760) (His-Avi Tag,Biotin)



3 Images

#### 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 His-Avi Tag,Biotin.

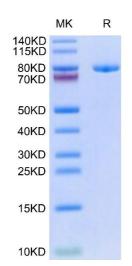
### Product Details

Purpose:	Biotinylated Human Transferrin R/CD71 Protein	
Sequence:	Cys89-Phe760	
Characteristics:	Recombinant Biotinylated Human Transferrin R/CD71 Protein is expressed from HEK293 with	
	His tag and Avi tag at the N-Terminus.It contains Cys89-Phe760.	
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC	
Sterility:	0.22 µm filtered	
Endotoxin Level:	Less than 1EU per $\mu$ g by the LAL method.	
Biological Activity Comment:	Immobilized Anti-Transferrin R Antibody at $1\mu$ g/ml (100 $\mu$ l/well) on the plate. Dose response	
	curve for Biotinylated Human Transferrin R, His Tag with the EC50 of 41.4ng/ml determined by	
	ELISA. See testing image for detail.	

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Target Details	
Target:	Transferrin Receptor (TFRC)
Alternative Name:	Transferrin R (TFRC Products)
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:	77.9 kDa. Due to glycosylation, the protein migrates to 80-85 kDa based on Tris-Bis PAGE result.
UniProt:	P02786
Pathways:	Transition Metal Ion Homeostasis
Application Details	
Restrictions:	For Research Use only
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

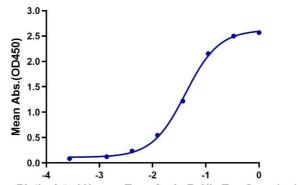
Images



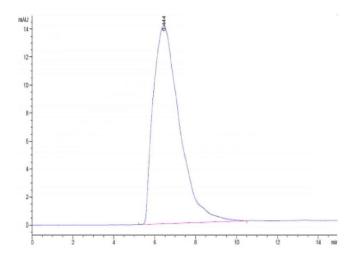
SDS-PAGE

**Image 1.** Biotinylated Human Transferrin R on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

Biotinylated Human Transferrin R, His Tag ELISA 0.1µg Anti-Transferrin R Antibody, hFc Tag Per Well



#### Log Biotinylated Human Transferrin R, His Tag Conc.(µg/ml)



# ELISA

**Image 2.** Immobilized Anti-Transferrin R Antibody at  $1 \mu$  g/mL (100  $\mu$ L/well) on the plate. Dose response curve for Biotinylated Human Transferrin R, His Tag with the EC50 of 41.4 ng/mL determined by ELISA.

Size-exclusion	chromatography-High	Pressure	Liquid	
Chromatography				

**Image 3.** The purity of Biotinylated Human Transferrin R is greater than 95 % as determined by SEC-HPLC.

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