

Datasheet for ABIN7275698

Transferrin Receptor Protein (AA 89-760) (His tag)[Go to Product page](#)**2** Images

Overview

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

Product Details

Purpose:	Cynomolgus Transferrin R/CD71 Protein
Sequence:	Cys89-Phe760
Characteristics:	Recombinant Cynomolgus Transferrin R/CD71 Protein is expressed from HEK293 with His 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 µg by the LAL method.

Target Details

Target:	Transferrin Receptor (TFRC)
Alternative Name:	Transferrin R (TFRC Products)

Target Details

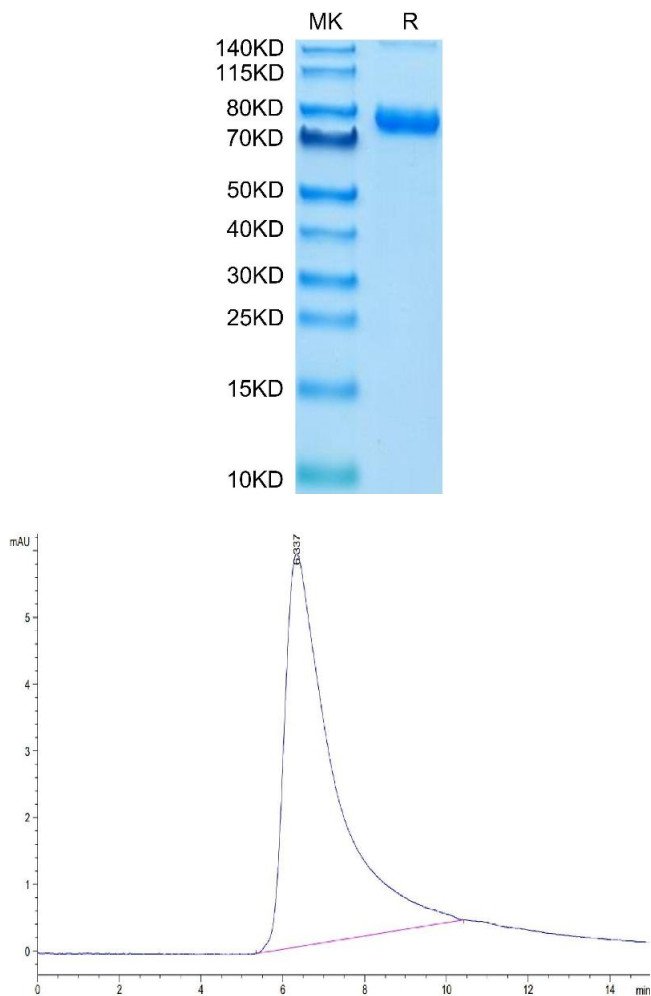
Background:	The transferrin receptor (CD71) is known as a receptor for IgA1 on mesangial cells. The transcript and protein expression of glomerular CD71 was determined by real-time polymerase chain reaction and immunohistochemistry. Human mesangial cells (HMCs) were treated with sera from IgAN patients and expression levels of CD71 and inflammatory cytokine markers were compared according to disease status.
Molecular Weight:	76.3 kDa. Due to glycosylation, the protein migrates to 78-80 kDa based on Tris-Bis PAGE result.
NCBI Accession:	XP_005545315
Pathways:	Transition Metal Ion Homeostasis

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



SDS-PAGE

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

Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Cynomolgus Transferrin R is greater than 95 % as determined by SEC-HPLC.