

## Recombinant Human sTfR/CD71 Protein

RPCB0538

### Protein Information

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<b>Size:</b>	100 µg	<b>Tag:</b>	C-hFc
<b>Reactivity:</b>	Human	<b>Expressed Host:</b>	HEK293 cells
<b>Calculated MW:</b>	101.8 kDa	<b>Observed MW:</b>	105-115 kDa

### Background

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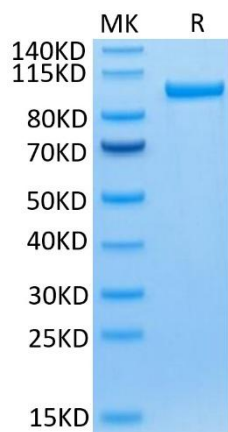
The transferrin receptor (CD71) is known as a receptor for IgA1 on mesangial cells. The transcript and protein expression of glomerular CD71 was determined by real-time polymerase chain reaction and immunohistochemistry. Human mesangial cells (HMCs) were treated with sera from IgAN patients and expression levels of CD71 and inflammatory cytokine markers were compared according to disease status.

### Properties

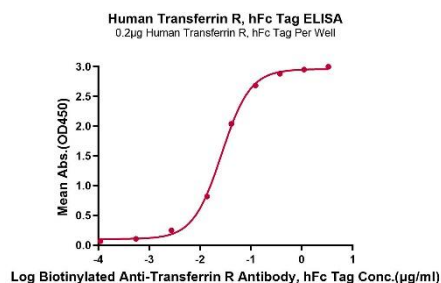
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<b>Synonyms:</b>	TR, TfR1, CD71, sTfR, T9, p90, TFRC, TFR, Transferrin R
<b>Gene ID:</b>	7037
<b>Endotoxin:</b>	< 1 EU/µg of the protein by LAL method.
<b>Description:</b>	High quality, high purity and low endotoxin recombinant Recombinant Human sTfR/CD71 Protein (RPCB0538), tested reactivity in HEK293 cells and has been validated in SDS-PAGE. 100% guaranteed.
<b>Purity:</b>	≥ 95 % as determined by SDS-PAGE.
<b>Storage:</b>	Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

## Validation Data



Recombinant Human sTfR/CD71 Protein was determined by Tris-Bis PAGE under reducing conditions.



Immobilized Human Transferrin R, hFc Tag at 2 µg/mL (100 µL/well) on the plate. Dose response curve for Biotinylated Anti-Transferrin R Antibody, hFc Tag with the EC50 of 26.5ng/mL determined by ELISA (QC Test).