

# Active Recombinant Human TFRC Protein, His-tagged, Biotinylated

**Cat. No.** TFRC-3865H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Biotinylated Human Transferrin R / CD71 is expressed from HEK293 cells. It contains AA Cys 89 - Phe 760 (Accession # AAH01188.1). This protein carries a polyhistidine tag at the N-terminus.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	89-760 a.a.
<b>Predicted N Terminal</b>	His
<b>Form</b>	Lyophilized from 0.22 um filtered solution in PBS, pH7.4, 10% trehalose.
<b>Bio-activity</b>	Immobilized Human Transferrin, His Tag at 2 ug/mL (100 uL/well) can bind Biotinylated Human Transferrin R, His Tag with a linear range of 5-156 ug/mL.
<b>Molecular Mass</b>	The protein has a calculated MW of 76 kDa. The protein migrates as 80-85 kDa on a SDS-PAGE gel under reducing condition due to glycosylation.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Purity</b>	>92% as determined by SDS-PAGE.

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<b>Characteristic</b>	The primary amines in the side chains of lysine residues and the N-terminus of the protein are conjugated with biotins using standard chemical labeling method. A standard biotin reagent (13.5 angstroms) is used in this product. The biotin to protein ratio is 1-2 as determined by the HABA assay.
<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -70°C.
<b>Storage</b>	For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. No activity loss is observed after storage at: 4-8°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
<b>Conjugation</b>	Biotin

## GENE INFORMATION

<b>Gene Name</b>	TFRC transferrin receptor (p90, CD71) [ Homo sapiens ]
<b>Official Symbol</b>	TFRC
<b>Synonyms</b>	TFRC; transferrin receptor (p90, CD71); transferrin receptor protein 1; CD71; TFR1; T9; TR; TFR; p90; TRFR;
<b>Gene ID</b>	7037
<b>mRNA Refseq</b>	NM_001128148
<b>Protein Refseq</b>	NP_001121620

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<b>MIM</b>	190010
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<b>UniProt ID</b>	P02786
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