

Active Recombinant Human TFRC Protein, His-tagged, Biotinylated

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	HEK293
ProteinLength	89-760 a.a.
Predicted N Terminal	His
Form	Lyophilized from 0.22 um filtered solution in PBS, pH7.4, 10% trehalose.
Bio-activity	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.
Molecular Mass	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.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>92% as determined by SDS-PAGE.

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Characteristic	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.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	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.
Reconstitution	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.
Conjugation	Biotin

GENE INFORMATION

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

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MIM	190010
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UniProt ID	P02786
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