

# Native Human Transferrin Receptor

**Cat. No.** TFRC-249H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Purified Native Human Serum Transferrin Receptor.
<b>Species</b>	Human
<b>Source</b>	Human Serum
<b>Description</b>	<p>Transferrin receptor (TfR) is a carrier protein for transferrin. It is needed for the import of iron into the cell and is regulated in response to intracellular iron concentration.</p> <p>Transferrin Receptor imports iron by internalizing the transferrin-iron complex through receptor-mediated endocytosis. Low iron concentrations promote increased levels of transferrin receptor, to increase iron intake into the cell. Thus, transferrin receptor maintains cellular iron homeostasis</p>
<b>Form</b>	Liquid - 25 mM TRIS buffer, 0.15 M NaCl, 0.09% Sodium Azide, pH: 8.0 + or - 0.2
<b>Storage</b>	Store at -20 °C.

## 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;

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<b>Gene ID</b>	7037
<b>mRNA Refseq</b>	NM_001128148
<b>Protein Refseq</b>	NP_001121620
<b>MIM</b>	190010
<b>UniProt ID</b>	P02786
<b>Chromosome Location</b>	3q26.2-qter
<b>Pathway</b>	Clathrin derived vesicle budding, organism-specific biosystem; Endocytosis, organism-specific biosystem; Endocytosis, conserved biosystem; FOXA2 and FOXA3 transcription factor networks, organism-specific biosystem; Golgi Associated Vesicle Biogenesis, organism-specific biosystem; HIF-1-alpha transcription factor network, organism-specific biosystem; Hematopoietic cell lineage, organism-specific biosystem;
<b>Function</b>	Hsp70 protein binding; chaperone binding; peptidase activity; receptor activity; transferrin receptor activity;

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