

Native Human Transferrin Receptor

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

SPECIFICATION

Product Overview	Purified Native Human Serum Transferrin Receptor.
Species	Human
Source	Human Serum
Description	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. 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
Form	Liquid - 25 mM TRIS buffer, 0.15 M NaCl, 0.09% Sodium Azide, pH: 8.0 + or - 0.2
Storage	Store at -20 °C.

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;

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Gene ID	7037
mRNA Refseq	NM_001128148
Protein Refseq	NP_001121620
MIM	190010
UniProt ID	P02786
Chromosome Location	3q26.2-qter
Pathway	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;
Function	Hsp70 protein binding; chaperone binding; peptidase activity; receptor activity; transferrin receptor activity;