

Recombinant Human TFRC Protein, Flag-tagged

Cat. No. TFRC-333H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	DNA sequence encoding the extracellular domain of Human TFRC including a C-terminal human FLAG tag was expressed in HEK293 Cells.
Species	Human
Source	HEK293
Description	This gene encodes a cell surface receptor necessary for cellular iron uptake by the process of receptor-mediated endocytosis. This receptor is required for erythropoiesis and neurologic development. Multiple alternatively spliced variants have been identified.
Form	Lyophilized
AA Sequence	MMDQARSAFS NLFGGEPLSY TRFSLARQVD GDNSHVEMKL AVDEEENADN NTKANVTKPK RCGSICYGT IAVIVFFLIG FMIGYLG YCK GVEPKTECER LAGTESPVRE EPGEDFPAAR RLYWDDLK RK LSEKLDSTDF TGTIKLLNEN SYVPREAGSQ KDENLALYVE NQFREFKLSK VWRDQHFKI QVKDSAQNSV IIVDKNGRLV YLVENPGGYV AYSKAATVTG KLVHANFGTK KDFEDLYTPV NGSIVIVRAG KITFAEKVAN AESLNAIGVL IYMDQTKFPI VNAELSF FGH AHLGTGDPYT PGFPSFNHTQ FPPSRSSGLP NIPVQTISRA AAEKLFGNME GDCPSDWKTD STCRMVTSES KNVKLT VSNV LKEIKILNIF GVIKGFVEPD HYVVVGAQRD AWGPGA AKSG VGTALLKLA QMFSDMVLKD GFQPSRSIIF ASWSAGDFGS VGATEWLEGY LSSLHLKAFT YINLDKAVLG TSNFKVSASP

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

LLYTLIEKTM QNVKHPVTGQ FLYQDSNWAS KVEKLTLDNA AFPFLAYSGI
 PAVSFCFCED TDYPYLGTTM DTYKELIERI PELNKVARAA AEVAGQFVIK
 LTHDVELNLD YERYNSQLLS FVRDLNQYRA DIKEMGLSLQ WLYSARGDFF
 RATSRLTTDF GNAEKTDRFV MKKLNDRVMR VEYHFLSPYV SPKESPFRHV
 FWGSGSHTLP ALLENLKLRLK QNNGAFNETL FRNQLALATW TIQGAANALS
 GDVWDIDNEF

Endotoxin	Endotoxin content was assayed using a LAL gel clot method. Endotoxin level was found to be less than 0.1 ng/ug(1EU/ug).
Purity	>95%, as determined by SDS-PAGE and HPLC
Usage	This product is for research purposes only. It may not be used for therapeutics or diagnostic purposes.
Storage	The lyophilized protein is stable for at least 2 years from date of receipt at -20°C.
Storage Buffer	Recombinant TFRC was lyophilized from 0.2 um filtered PBS solution pH7.4
Reconstitution	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Shipping	Lyophilized proteins are shipped at ambient temperature.

GENE INFORMATION

Gene Name	TFRC transferrin receptor [Homo sapiens (human)]
Official Symbol	TFRC
Synonyms	T9; TR; TFR; p90; CD71; TFR1; TRFR; IMD46

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Gene ID	7037
mRNA Refseq	NM_001128148.3
Protein Refseq	NP_001121620.1
MIM	190010
UniProt ID	P02786

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