

Recombinant Human TFRC Protein, His-tagged

Cat. No. TFRC-467H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human TFRC protein with His tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	760
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
Molecular Mass	76 kDa
AA Sequence	MMDQARSAFSNLFGGPELSYTRFSLARQVDGDNShvemKlavDEEENADNNTKAN VTKPKRCSGSICYGTIAVIVFFLIGFMIGYLGyCKGVEPKTECERLAGTESPVREEPG EDFPAARRLYWDDLKRKLSEKLDSTDFGTIKLLNENSyVPREAGSQKDENLALyVE NQFREFKLSKVWRDQHFVKIQVKDSAQNSVIIVDKNGRLVYLVENPGGYVAYSKAAT VTGKLVHANFGTKKDFEDLYTPVNGSIVIVRAGKITFAEKVANAESLNAIGVLIYMDQT KFPIVNAELSFFGHAHLGTGDPYTPGFPSFNHTQFPPSRSSGLPNIPVQTISRAAAEK LFGNMEGDPCSDWKT DSTCRMVTSESKNVKLT VSNVLKEIKILNIFGVIKGFVEPDHY VVVGAQRDAWGPGAAGSGVGTALLLKL AQMFSDMVLKDG FQPSRSIIFASWSAGD

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FGSVGATEWLEGYLSSLHLKAFTYINLDKAVLGTSNFKVSASPLLYTLIEKTMQNVKH
 PVTGQFLYQDSNWASKVEKLTLDNAAFPFLAYSGIPAVSFCFCEDTDYPYLGTTMDT
 YKELIERIPELNKVARAAA EVAGQFVIKLT HDVELNLDYERYNSQLLSFVRDLNQYRA
 DIKEMGLSLQWLYSARGDFFRATSRLTTDFGNAEKTDRFVMKKLNDRVMRVEYHFL
 SPYVSPKESPFRHVFWGSGSHTLPALLENLKLKQNNGAFNETLFRNQLALATWTI
 QGAANALSGDVWDIDNEF

Purity > 98%

Applications WB; ELISA; FACS; FC

Stability This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.

Storage At -20 centigrade.

Concentration 1 mg/mL

Storage Buffer PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

Reconstitution Reconstitute in sterile distilled H₂O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

Gene Name TFRC transferrin receptor (p90, CD71) [Homo sapiens (human)]

Official Symbol TFRC

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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
MIM	190010
UniProt ID	P02786

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