

Recombinant Human TFRC Protein, His-tagged, Biotinylated

Cat. No. TFRC-466H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated 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	MMDQARSAFSNLFGEPLSYTRFSLARQVDGDNHVMKLAVIDEENADNNTKAN VTKPKRCSGSICYGTIAVIVFFLIGFMIGYLG YCKGVEPKTECERLAGTESPVREEPG EDFPAARRLYWDDLKRKLSEKLDSTDFGTIKLLNENSYPREAGSQKDENLALYVE NQFREFKLSKVWRDQHFVKIQVKDSAQNSVIVDKNGRLVYLVENPGGYVAYS KAAT VTGKLVHANFGTKKDFEDLYTPVNGSIVIVRAGKITFAEKVANAESLNAIGVLIYMDQT KFPIVNAELSFFGHAHLGTGDPYTPGFPSFNHTQFPPSRSSGLPNIPVQTISRAAA EK LFGNMEGDCPSDWKTDSTCRMVTSSESKNVKLTVSNVLKEIKILNIFGVIKGFVEPDHY

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VVVGARDAWGPGAAKSGVGTALLKLAQMFSDMVLKDGFPQRSIIFASWSAGD
 FGSVGATEWLEGYLSSLHLKAFTYINLDKAVLGTSNFKVSASPLLYTLIEKTMQNVKH
 PVTGQFLYQDSNWASKVEKLTLDNAAFPFLAYSGIPAVSFCFCEDTDYPYLGTTMDT
 YKELIERIPELNKVARAAAEVAGQFVIKLT HDVELNLDYERYNSQLLSFVRDLNQYRA
 DIKEMGLSLQWLYSARGDFFRATSRLTTDFGNAEKTDRFVMKKLNDRVMRVEYHFL
 SPYVSPKESPFRRHVFWGSGSHTLPALLENLKLRLKQNNGAFNETLFRNQLALATWTI
 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 H ₂ O 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.
Conjugation	Biotin

GENE INFORMATION

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Gene Name	TFRC transferrin receptor (p90, CD71) [Homo sapiens (human)]
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
MIM	190010
UniProt ID	P02786

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