

Recombinant Human TFRC Protein, 89-760aa, N-6×His tagged

Cat. No. TFRC-33H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human TFRC protein (89-760aa), fused to His-tag at N-terminus, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	89-760aa
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	Liquid
Molecular Mass	77.7 kDa (696aa)
AA Sequence	MGSSHHHHHHSSGLVPRGSHMGSMCKGVEPKTECERLAGTESPVREEPGEDFPA ARRLYWDDLKRKLSEKLDSTDFTGTIKLLNENSYPREAGSQKDENLALYVENQFRE FKLSKVWRDQHFVKIQVKDSAQNSVIIVDKNGRLVYLVENPGGYVAYSKAATVTGKL VHANFGTKKDFEDLYTPVNGSIVIVRAGKITFAEKVANAESLNAIGVLIYMDQTKFPIV NAELSSFFGHAHLGTGDPYTPGFPNHTQFPSPRSSGLPNIPVQTISRAAAELFGN MEGDCPSDWKTDSTCRMVTSESKNVKLTVSNVLKEIKILNIFGVIKGFVEPDHYVVV GAQRDAWGPGAAKSGVGTALLLKLQMFSDMVLKDGFGQPSRSIIFASWSAGDFGS

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VGATEWLEGYLSSLHLKAFTYINLDKAVLGTSNFKVSASPLLYTLIEKTMQNVKHPVT
GQFLYQDSNWASKVEKLTLDNAAFPFLAYSGIPAVSFCFCEDTDYPYLGTTMDTYKE
LIERIPELNKVARAAAEVAGQFVIKLT HDVELNLDYERYNSQLLSFVRDLNQYRADIKE
MGLSLQWLYSARGDFFRATSRLTTDFGNAEKTDRFVMKKLNDRVMRVEYHFLSPY
VSPKESPFRHVFWGSGSHTLPALLENLKLKQNNGAFNETLFRNQLALATWTIQGA
ANALSGDVWDIDNEF

Purity > 80% by SDS-PAGE

Applications SDS-PAGE, Denatured

Storage Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 1 mg/mL (determined by Bradford assay)

Storage Buffer 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

References
1. Rothenberger S., et al. (1987) Cell 49:423-431
2. Tosoni D., et al. (2005) Cell 123:875-888

GENE INFORMATION

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**

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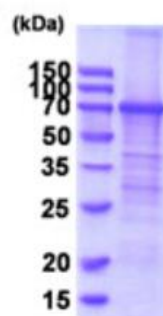
mRNA Refseq [NM_001128148](#)

Protein Refseq [NP_001121620](#)

MIM [190010](#)

UniProt ID [P02786](#)

SDS-PAGE



15% SDS-PAGE (3ug)

3 µg by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

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