

Recombinant Human TFRC Protein, 101-760aa, C-6×His tagged

Cat. No. TFRC-34H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human TFRC protein, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Human
Source	Baculovirus
ProteinLength	101-760aa
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	74.9 kDa (669aa)
AA Sequence	ADPLAGTESPVREEPGEDFPAARRLYWDDLKRKLSEKLDSTDFTGTIKLLNENSYP REAGSQKDENLALYVENQFREFKLSKVWRDQHFKIQVKDSAQNSVIVDKNGRLVY LVENPGGYVAYSKAATVTGKLVHANFGTKKDFEDLYTPVNGSIVIVRAGKITFAEKVA NAESLNAIGVLIYMDQTKFPIVNAELSFFGHAHLGTGDPYTPGFPSFNHTQFPSSRSS GLPNIPVQTISRAAAELFGNMEGDCPSDWKTDSTCRMVTSESKNVKLTVSNVLKEI KILNIFGVIKGFVEPDHYVVVGAQRDAWGPGAAGSGVGTALLKLAQMFSDMVLKD GFQPSRSIIFASWSAGDFGSVGATEWLEGYLSSLHLKAFTYINLDKAVLGTSNFKVS

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ASPLLYTLIEKTMQNVKHPVTGQFLYQDSNWASKVEKLTLDNAAFPFLAYSGIPAVSF
CFCEDTDYPYLGTTMDTYKELIERIPELNKVARAAAEVAGQFVIKLTHTDVELNLDYER
YNSQLLSFVRDLNQYRADIKEMGLSLQWLYSARGDFFRATSRLTTDFGNAEKTDRF
VMKKLNDRVMRVEYHFLSPYVSPKESPFRHVFWGSGSHTLPALLENLKLKQNG
AFNETLFRNQLALATWTIQGAANALSGDVWDIDNEFHHHHHH

Endotoxin	< 1.0 EU/μg of the protein by the LAL method.
Purity	> 90% by SDS-PAGE
Applications	SDS-PAGE
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	0.5 mg/mL (determined by absorbance at 280nm)
Storage Buffer	Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol
References	1. Laube F., et al, (2017) Anticancer Res. 37:3001-3007. 2. Zhou JH., et al, (2017) J Neurosci. 37:11335-11352.

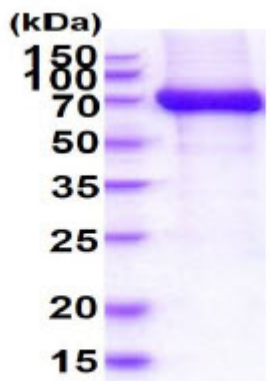
GENE INFORMATION

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;

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Gene ID	7037
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.