

Recombinant Human TFRC Protein, 101-760aa, C-6xHis 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	ADPLAGTESPVREEPGEDFPAARRLYWDDLKRKLSEKLDSTDFGTIKLLNENSYP REAGSQKDENLALYVENQFREFKLSKVWRDQHFKIQVKDSAQNSVIVDKNGRLVY LVENPGGYVAYSKAATVTGKLVHANFGTKKDFEDLYTPVNGSIVIVRAGKITFAEKVA NAESLNAIGVLIYMDQTKFPIVNAELSFHGHHLGTGDPYTPGFPSFNHTQFPSSRSS GLPNIPVQTISRAAAELFGNMEGDCPSDWKTDSTCRMVTSSEKSNVCLTVSNVLKEI KILNIFGVIKGFVEPDHYVVGAQRDAWGPGAAGSGVGTALLKLAQMFSDMVLKD GFQPSRSIIFASWSAGDFGSGATEWLEGYLSSLHLKAFTYINLDKAVLGTSNFKVS

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ASPLLYTLIEKTMQNVKHPVTGQFLYQDSNWASKVEKLTDNAAFPFLAYSGIPAVSF
 CFCEDTDYPYLGTTMDTYKELIERIPELNKVARAAAEVAGQFVIKLTHTDVELNLDYER
 YNSQLLSFVRDLNQYRADIKEMGLSLQWLYSARGDFFRATSRLTTDFGNAEKTDRF
 VMKKLNDRVMRVEYHFLSPYVSPKESPFRHVFWGSGSHTLPALLENLKRKQNG
 AFNETLFRNQLALATWTIQGAANALSGDVWDIDNEFHSHHHH

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;

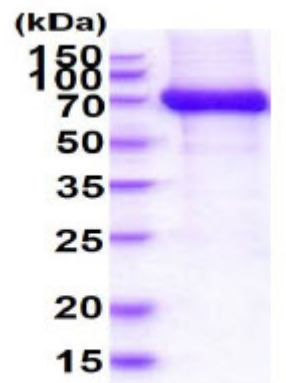
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Gene ID	7037
mRNA Refseq	NM_001128148
Protein Refseq	NP_001121620
MIM	190010
UniProt ID	P02786

SDS-PAGE



15% SDS-PAGE (3ug)

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

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