

Recombinant Human TFRC Protein (101-760aa), C-His-tagged

Cat. No. TFRC-12H **Lot. No.** (See product label)

SPECIFICATION

Product Overview Recombinant human TFRC protein (101-760aa), fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Species Human

Source Insect Cells

ProteinLength 101-760

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 Liquid

Molecular Mass 74.9 kDa (669aa)

AA Sequence ADPLAGTESPVREEPGEDFPAARRLYWDDLKRKLSEKLDSTDFGTIKLLNENSYVP
 REAGSQKDENLALYVENQFREFKLSKVWRDQHFKIQVKDSAQNSVIVDKNGRLVY
 LVENPGGYVAYSKAATVTGKLVHANFGTKKDFEDLYTPVNGSIVIVRAGKITFAEKVA
 NAESLNAIGVLIYMDQTKFPIVNAELFFGHHLGTGDPYTPGFPSFNHTQFPSSRSS
 GLPNIPVQTISRAAAELFGNMEGDCPSDWKTDSTCRMVTSSEKNVCLTVSNVLKEI
 KILNIFGVIKGFVEPDHYVVVGAQRDAWGPGAAGSGVGTALLLKLQMFSDMVLKD

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GFQPSRSIIFASWSAGDFGSVGATEWLEGYLSSLHLKAFTYINLDKAVLGTSNFKVS
 ASPLLYTLIEKTMQNVKHPVTGQFLYQDSNWASKVEKLTLDNAAFPFLAYSGIPAVSF
 CFCEDTDYPYLGTTMDTYKELIERIPELNKVARAAA EVAGQFVIKLT HDVELNLDYER
 YNSQLLSFVRDLNQYRADIKEMGLSLQWLYSARGDFFRATSRLTTDFGNAEKTDRF
 VMKKLNDRVMRVEYHFLSPYVSPKESPFRHVFWGSGSHTLPALLENLKRKQNG
 AFNETLFRNQLALATWTIQGAANALSGDVWDIDNEFH HHHHHH

Endotoxin < 1 EU/μg of protein (determined by 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

GENE INFORMATION

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

Official Symbol TFRC

Synonyms TFRC; transferrin receptor; T9; TR; TFR; p90; CD71; TFR1; TRFR; IMD46; transferrin receptor protein 1

Gene ID 7037

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mRNA Refseq [NM_001128148](#)

Protein Refseq [NP_001121620](#)

MIM [190010](#)

UniProt ID [P02786](#)

SDS-PAGE



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

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