

Recombinant Marmoset TFRC Protein, His-tagged

Cat. No. TfrC-01M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Marmoset TFRC Protein With His tag was expressed in HEK293.
Species	Marmoset
Source	HEK293
Description	Cellular uptake of iron occurs via receptor-mediated endocytosis of ligand-occupied transferrin receptor into specialized endosomes. Endosomal acidification leads to iron release. The apotransferrin-receptor complex is then recycled to the cell surface with a return to neutral pH and the concomitant loss of affinity of apotransferrin for its receptor. Transferrin receptor is necessary for development of erythrocytes and the nervous system. Acts as a lipid sensor that regulates mitochondrial fusion by regulating activation of the JNK pathway.
Molecular Mass	76.5 kDa
AA Sequence	GYCKHVEPKIECQRLAGTESPAVENPEENLPVVPQLYWDDLKMLSEKLDTTDFTS TIKLLNENSYVPREAGSQKDENLAWYIENQFRECKLSKVRDEHFVKIQVKDSAQN SVTITGTNSEFVYLVENPGGYVAYSQNATVTGKLVHANFGTEKDFEDLDSPVNGSIVI VRAGKITFAEKVANAESANAIGVLIYMDKTKFPIVDADV SFFGHAHLGTGDPYTPGFP SFNHTQFPSPRSSGLPNIPVQTISRAAAERLFENMEGDCPSDWKTDSSCRMVTSQN KSVKLSVSNVMKEIKILNIFGVIKGFVEPDYVVVGAQRDSWGPGAAKSSVGTALLLE LAQTFSDMVLKDGFPQRSIVFASWSAGDFGSGATEWLEGYLSSLHLKAFTFINLD KAVLGTSNFRVSASPLLYALIEKTMQEVKHPVTGLSLYQDSNWASKVEKLTFDAAAF

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PFLAYSGIPAVSFCFCEDTDYPYLGTTMDTYKELIEKIPQLNKVARAAAEVAGQFMIK
 LTHDVELNLDYERYNSQLLSFLRNLNQYRADIREMGLSLQWLYSARGDFFRATSRLT
 TDFKNSEKTDRFVMKELNDRVMKVEYYFLSPYVSPRESPFRHIFWGS GSHTLSALL
 EHLKLRKTNNRAFNETLFRNQLALATWTIQGAANALSGDIWDIDNEFH HHHHHH

Purity > 90% by SDS-PAGE

Storage Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Concentration 1.54 mg/mL

Storage Buffer PBS, pH 7.4

GENE INFORMATION

Gene Name [TFRC transferrin receptor \[Callithrix jacchus \(white-tufted-ear marmoset\) \]](#)

Official Symbol [TFRC](#)

Synonyms TFRC; transferrin receptor; transferrin receptor protein 1; transferrin receptor (p90, CD71); transferrin receptor 1

Gene ID [100407510](#)

mRNA Refseq [NM_001301847](#)

Protein Refseq [NP_001288776](#)

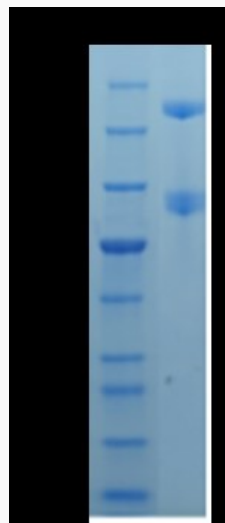
UniProt ID [H9BFK5](#)

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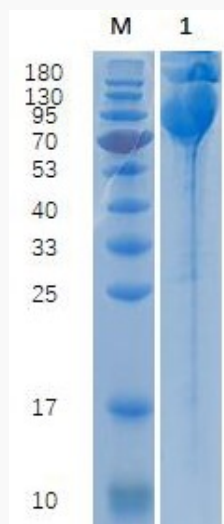
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SDS-PAGE



Reducing 12% SDS-PAGE analysis profile of purified TFRC (CBB stained)

SDS-PAGE



Non-reducing 12% SDS-PAGE analysis profile of purified TFRC (CBB stained)

WB



Line 1-3: purified Marmoset TFRC protein

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