

32-13471: TFRC Human, SF9

Alternative Name : Transferrin Receptor, P90, T9, TR, Transferrin Receptor (P90, CD71), Transferrin Receptor Protein 1, CD71 Antigen, IMD46, CD71, TFR1.

Description

Source: Sf9, Baculovirus cells.

Sterile Filtered clear solution.

The Transferrin glycoproteins are responsible for the blood levels of free iron by binding to iron in the plasma. The transferrin molecules in humans are encoded by a gene called TF. Transferrin binds to iron in a tight but reversible way. The iron levels that binds to transferrin are very low in comparison to the total body iron, nonetheless, it is extremely vital iron levels with the greatest turnover rate.

TFRC produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 669 amino acids (101-760a.a.) and having a molecular mass of 74.9kDa. (Molecular size on SDS-PAGE will appear at approximately 70-100kDa). TFRC is expressed with a 9 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques

Product Info

Amount : 1 µg / 5 µg

Purification : Greater than 90.0% as determined by SDS-PAGE.

Content : TFRC protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Amino Acid : ADPLAGTESP VREEPGEDFP AARRLYWDDL KRKLSEK LDS TDFTGTIKLL NENSYPVREA
GSQKDENLAL Recombinant Human TFRC Protein Catalog Number: ATGP3825 YVENQFREFK
LSKVWRDQHFVKIQVKDS AQ NSVIIVDKNG RLVYLVENPG GYVAYS KAAT VTGKLVHANF
GTTKDFEDLY TPVNGSIVIV RAGKITFAEK VANAESLNAI GVLIYMDQTK FPIVNAELSF
FGHAHLGTGD PYTPGFPSFN HTQFPSPRSS GLPNIPVQTI SRAAAEKLFG NMEGDCPSDW
KTDSTCRMVTSSEKNVKLTV SNVLKEIKIL NIFGVIKGFV EPDHYVVVGA QRDAWGPGAA
KSGVGTALLL KLAQMFSDMV LKDG FQPSRS IIFASWSAGD FGSVGATEWL EGYLSSLHLK
AFTYINLDKA VLGT SNFKVS ASPLLYTLIE KTMQNVKHPV TGQFLYQDSN WASKVEKLT
DNAAFPFLAYSGIPAVSFCF CEDTDYPYLG TTMDTYKELI ERIPELNKVA RAAAEVAGQF
VIKLTHDVEL NLDYERYNSQ LLSFVRDLNQ YRADIKEMGL SLQWLYSARG DFFRATSRLT
TDFGNAEKTD RFVMKKLNDR VMRVEYHFLS PYVSPKESPF RHVFWGSGSH TLPALLENLK
LRKQNNGAFNETLFRNQLAL ATWTIQGAAN ALSGDVWDID NEFH HHHHHH.