

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 KRKLSEKLDS TDFTGTIKLL NENSYVPREA GSQKDENLAL
Recombinant Human TFRC Protein Catalog Number: ATGP3825 YVENQFREFK
LSKVWRDQHFKIQVKDSAQ NSVIIVDKNG RLVYLVENPG GYVAYSKAAT VTGKLVHANF GTKKDFEDLY
TPVNGSIVIV RAGKITFAEK VANAESLNAI GVLIYMDQTK FPIVNAELSF FGHAHLGTGD PYTPGFPSPFN
HTQFPSPRSS GLPNIPVQTI SRAAAEKLFG NMEGDCPSDW KTDSTCRMVTSSEKNVKLTV SNVLKEIKIL
NIFGVIKGFV EPDHYVVVGA QRDAWGPGAA KSGVGTALLL KLAQMFSDMV LKDGFPQRSRS IIFASWSAGD
FGSVGATEWL EGYLSSLHLK AFTYINLDKA VLGTSNFKVS ASPLLYTLIE KTMQNVKHPV TGQFLYQDSN
WASKVEKLTLL DNAAFPFLAYSGIPAVSFCF CEDTDYPYLG TTMDTYKELI ERIPELNKVA RAAAEEVAGQF
VIKLTHDVEL NLDYERYNSQ LLSFVRDLNQ YRADIKEMGL SLQWLYSARG DFFRATSRLT TDFGNAEKTD
RFVMKKLNDR VMRVEYHFLS PYVSPKESPF RHVFWGSGSH TLPALLENLK LRKQNNGAFNETLFRNQLAL
ATWTIQGAAN ALSGDVWDID NEFHFFFFFF.