

32-13470: TFRC Human

Alternative Name : Transferrin receptor protein 1, TR, TfR, TfR1, Trfr, T9, p90, CD_antigen: CD71, Transferrin receptor, serum form, sTfR, TFRC, CD71.

Description

Source: Escherichia Coli.

Sterile Filtered clear solution.

Transferrin receptor protein 1 (TFRC) is required for iron delivery from transferring to cells. The TFRC protein is a transmembrane glycoprotein comprised of 2 disulfide-linked monomers joined by 2 disulfide bonds. Each monomer will bind one holo-transferrin molecule producing an iron-Tf-TfR complex which enters the cell by endocytosis.

TFRC Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 696 amino acids (89-760 a.a) and having a molecular mass of 77.7 kDa. TFRC is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Product Info

Amount : 5 µg / 20 µg

Purification : Greater than 80.0% as determined by SDS-PAGE.

Content : TFRC protein solution (1mg/ml) containing 20mM Tris-HCl (pH8.0) 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 : MGSSHHHHHH SSGLVPRGSH MGSMCKGVPEP KTECERLAGT ESPVREEPGE DFPAARRLYW
DDLKRKLSEK LDSTDFGTI KLLNENSYP REAGSQDEN LALYVENQFR EFKLSKVWRD QHFVKIQVKD
SAQNSVIIVD KNGRLVYLVE NPGGYVAYSK AATVTGKLVH ANFGTKKDFE DLYTPVNGSI VIVRAGKITF
AEKVANAESL NAIGVLIYMD QTKFPIVNAE LSFFGHAHLG TGDPTPGFP SFNHTQFPPS RSSGLPNIPV
QTISRAAA EK LFGNMEGDCP SDWKT DSTCR MVTSESKNVK LTVSNVLKEI KILNIFGVK GFVEPDHYV
VGAQRDAWGP GAAKSGVGTA LLLKLAQMFS DMVLKDFGFP SRSIIFASWS AGDFGSGVAT
EWLEGYLSSL HLKAFYINL DKAVLGTSNF KVSASPLLYT LIEKTMQNVK HPVTGQFLYQ DSNWASKVEK
LTLDNAAFP LAYS GIPAVS FCFCE TDYP YLGT TMDTYK ELIERIPELN KVARAAA EVA GQFVIKLT HD
VELNLDYERY NSQLLSFVRD LNQYRADIKE MGLSLQWLYS ARGDFFRATS RLTTDFGNAE KTDRFVMKKL
NDRVMRVEYH FLSPYVSPKE SPFRHVFWGS GSHTLPALLE NLKLRKQNGG AFNETLFRNQ LALATWTIQG
AANALSGDVW DIDNEF.