

TFRC, 89-760aa, Human, His tag, E.coli

Cat.NO.: TP04187

3th Edition

Synonyms:Transferrin receptor protein 1, CD71, p90, T9, TFR, TFR1, TR, TRFR

Description:TFRC also known as transferrin receptor protein 1. TFRC is required for iron delivery from transferrin to cells. This protein is a transmembrane glycoprotein composed of two disulfide-linked monomers joined by two disulfide bonds. Each monomer binds one holo-transferrin molecule creating an iron-Tf-TfR complex which enters the cell by endocytosis. Recombinant human TFRC protein, fused to His-tag at N-terminus, was expressed in E.coli.

Form:Liquid, In 20mM Tris-HCl buffer(pH8.0) containing 10% glycerol

Molecular Weight:77.7kDa (696aa)

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSMCKGVEPKTECERLAGTESPVREEPGEDFPAARRLYWDDLKRLSEKLDSTDFTGTIKLLNENSYVPREAGSQKDENLALYVENQFREFKLSKVWRDQHFVQKIQVKDSAQNSVIIVDKNGRLVYLVE NPGGYVAYSKAATVTGKLVHANFGTKKDFEDLYTPVNGSIVIVRAGKITFAEKVANAESLNAIGVLIYMDQTKFPIVNA ELSFFGHAHLGTGDPYTPGFPSFNHTQFPPSRSSGLPNIPVQTISRAAAEKLFGNMEGDCPSDWKTDSTCRMVTS ESKNVKLTVSNVLKEIKILNIFGVKGFVEPDHYVVVGAQRDAWGPGAAKSGVGTALLLKLQMFSDMVLKDGQFQPS RSIIFASWSAGDFGSGATEWLEGYLSLHLKAFTYINLDKAVLGTSNFKVSASPLLYTLIEKTMQNVKHPVTGQFLY QDSNWASKVEKLTLDNAAFPFLAYSGIPAVSFCFCEDTDYPYLGTTMDTYKELIERIPELNKVARAAAEVAGQFVIKL THDVELNLDYERYNSQLLSFVRDLNQYRADIKEMGLSLQWLYSARGDFFRATSRLTTDFGNAEKTDRFVMKKLND RVMRVEYHFLSPYVSPKESPFRRHVFWGSGSHTLPALLENLKLKQNNGAFNETLFRNQLALATWTIQGAANALSG DVWWDIDNEF

Purity:> 95% by HPLC

Concentration:1mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.