9051 Mira Mesa Blvd, #910094
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TFRC Human

Transferrin Receptor Human Recombinant
RCP2358

Product Overview

Name	TFRC Human
Description	
Transferrin Receptor Human Recombinant	
Accession (Primary)	P02786
Synonyms	
Transferrin receptor protein 1, TR, TfR, TfR1, Trfr, T9, p90, CD_antigen: CD71, Transferrin receptor, serum form, sTfR, TFRC, CD71.	
Introduction	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered clear solution.	
Formulation	
TFRC protein solution (1mg/ml) containing 20mM Tris-HCl (pH8.0) and 10% glycerol.	
Stability	
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.	
Purity	
Greater than 80.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGSM CKGVEP KTECERLAGT ESPVREEPGE DFPAARRLYW DDLKRKLSEK LDSTDFTGTI KLLNENSYVP REAGSQKDEN LALYVENQFR EFKLSKVWRD QHFVKIQVKD SAQNSVIIVD KNGRLVYLVE NPGGYVAYSK AATVTGKLVH ANFGTKKDFE DLYTPVNGSI VIVRAGKITF AEKVANAESL NAIGVLIYMD QTKFPIVNAE LSFFGHAHLG TGDPYTPGFP SFNHTQFPPS RSSGLPNIPV QTISRAAAEK LFGNMEGDCP SDWKTDSTCR MVTSESKNVK LTVSNVLKEI KILNIFGVIK GFVEPDHYVV VGAQRDAWGP	

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GAAKSGVGTA LLLKLAQMFS DMVLKDGFQP SRSIIFASWS AGDFGSVGAT EWLEGYLSSL HLKAFTYINL DKAVLGTSNF KVSASPLLYT LIEKTMQNVK HPVTGQFLYQ DSNWASKVEK LTLDNAAFPF LAYSGIPAVS FCFCEDTDYP YLGTTMDTYK ELIERIPELN KVARAAAEVA GQFVIKLTHD VELNLDYERY NSQLLSFVRD LNQYRADIKE MGLSLQWLYS ARGDFFRATS RLTTDFGNAE KTDRFVMKKL NDRVMRVEYH FLSPYVSPKE SPFRHVFWGS GSHTLPALLE NLKLRKQNNG AFNETLFRNQ LALATWTIQG AANALSGDVW DIDNEF.

Precautions

TFRC Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P02786)