
Product Data Sheet

Product Name: TFRC Human, SF9

Cat. No.: GP24812

Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Transferrin Receptor; P90; T9; TR; Transferrin Receptor (P90; CD71); Transferrin Receptor Protein 1; CD71 Antigen; IMD46; CD71; TFR1.		
Amino Acid Sequence	<p>ADPLAGTESP VREEPGEDFP AARRLYWDDL KRKLSEKLDL TDFTGTIKLL NENSYPREA GSQKDENLAL Recombinant Human TFRC Protein Catalog Number: ATGP3825 YVENQFREFK LSKVWRDQHFKIQVKDSAQ NSVIIVDKNG RLVYLVENPG GYVAYSKAAT VTGKLVHANF GTKKDFEDLY TPVNGSIVIV RAGKITFAEK VANAESLNAI GVLIYMDQTK FPIVNAELSF FGHAHLGTGD PYTPGFPSFN HTQFPPSRSS GLPNIPVQTI SRAAAEKLFG NMEGDCPSDW KTDSTCRMVTSESKNVKLTV SNVLKEIKIL NIFGVIKGFV EPDHYVVVGA QRDAWGPGAA KSGVGTALLL KLAQMFSDMV LKDGFPQRS IIFASWSAGD FGSVGATEWL EGYLSSLHLK AFTYINLKA VLGTSNFKVS ASPLLYTLIE KTMQNVKHPV TGQFLYQDSN WASKVEKLTL DNAAFPFLAYSGIPAVSFCF CEDTDYPYLG TTMDTYKELI ERIPELNKVA RAAAEVAGQF VIKLTHDVEL NLDYERYNSQ LLSFVRDLNQ YRADIKEMGL SLQWLYSARG DFFRATSRLT TDFGNAEKTD RFVMKKLNDR VMRVEYHFLS PYVSPKESPF RHVFWGSGSH TLPALLENLK LRKQNNGAFNETLFRNQLAL ATWTIQGAAN ALSGDVWDID NEFHHHHHH.</p>		
Formulation	TFRC protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.		

Introduction

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

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

vital iron levels with the greatest turnover rate.

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.

Background

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

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA