

Transferrin receptor protein 1 (TFRC) Active Protein | TFRC active protein

Recombinant Human Transferrin receptor protein 1 (TFRC), partial (Active)

CATALOG #
AAA279234

HOST
Mammalian Cell

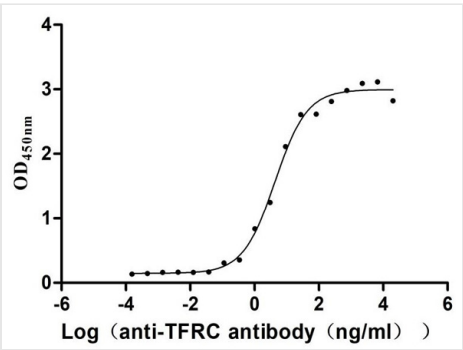
PRODUCT SYNONYMS

Transferrin receptor protein 1 (TFRC); Recombinant Human Transferrin receptor protein 1 (TFRC); partial (Active); Transferrin receptor protein 1; TR; TfR; TfR1; Trfr; T9; p90; TFRC active protein

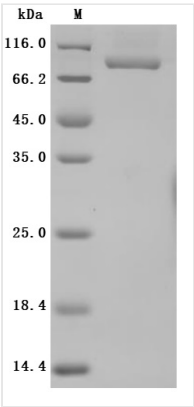
PRODUCT SPECIFICATIONS

Host	Mammalian Cell
Purity/Purification	Greater than 95% as determined by SDS-PAGE.
Form/Format	Lyophilized powder Lyophilized from a 0.2 um filtered 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0
Sequence Positions	89-760aa; Partial
Sequence	CKGVEPKTEC ERLAGTESPV REEPGEDFPA ARRLYWDDLK RKLSEKLDST DFTGTIKLLN ENSYVPREAG SQKDENLALY VENQFREFKL SKVWRDQHFV KIQVKDSAQN SVIIVDKNGR LVYLVENPGG YVAYSKAATV TGKLVHANFG TKKDFEDLYT PVNGSIVIVR AGKITFAEKV ANAESLNAIG VLIYMDQTKF PIVNAELSFF GHAHLGTGDP YTPGFPSFNH TQFPPSRSSG LPNIPVQTIS RAAAEKLFNG MEGDCPSDWK TDSTCRMVTS ESKNVKLTVS NVLKEIKILN IFGVIKGFVE PDHYVVVGAQ RDAWGPGAAG SGVGTALLK LAQMFSDMVL KDGFPQRSI IFASWSAGDF GSVGATEWLE GYLSSLHLKA FTYINLDKAV LGTSNFKVSA SPLLYTLIEK TMQNVKHPVT GQFLYQDSNW ASKVEKLTLD NAAFPFLAYS GIPAVSFCFC EDTDYPYLG TMDTYKELIE RIPELNKVAR AAEEVAGQFV IKLTHDVELN LDYERYNSQL LSFVRDLNQY RADIKEMGLS LQWLYSARGD FFRATSRLTT DFGNAEKTDR FVMKKLNDRV MRVEYHFLSP YVSPKESPFH HVFWGSGSHT LPALLENLKL RKQNNGAFNE TLFNRQLALA TWTIQGAANA LSGDVWDIDN EF\$
Species	Homo sapiens (Human)
Tag	N-terminal 10xHis-tagged
Endotoxin	Less than 1.0 EU/ug as determined by LAL method.
Research Area	Cancer
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Human TFRC at 2 ug/mL can bind Anti-TFRC recombinant antibody, the EC50 is 3.305-8.220 ng/mL.
Preparation and Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 degree C/-80 degree C. The shelf life of lyophilized form is 12 months at -20 degree C/-80 degree C. Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week. We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20 degree C/-80 degree C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

IMAGES



Bioactivity
Measured by its binding ability in a functional ELISA. Immobilized Human TFRC at 2?g/mL can bind Anti-TFRC recombinant antibody, the EC50 is 3.305-8.220 ng/mL.



SDS-PAGE
Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

ADDITIONAL INFORMATION

Related Product Information for TFRC active protein	TFRC is involved in iron absorption and cell growth regulation, and is an important medium for normal iron metabolism in human body.
Product Categories/Family for TFRC active protein	Active Protein & In Stock Protein
References	"Primary structure of human transferrin receptor deduced from the mRNA sequence." Schneider C., Owen M.J., Banville D., Williams J.G. Nature 311:675-678 (1984)

NCBI AND UNIPROT INFORMATION

NCBI GI #	189458819
NCBI GeneID	7037
NCBI Accession #	NP_001121620.1
NCBI GenBank Nucleotide #	NM_001128148.1
UniProt Accession #	P02786; Q1HE24; Q59G55; Q9UCN0; Q9UCU5; Q9UDF9; Q9UK21; D3DXB0
Molecular Weight	84,871 Da
NCBI Official Full Name	transferrin receptor protein 1
NCBI Official Synonym Full Names	transferrin receptor (p90, CD71)
NCBI Official Symbol	TFRC
NCBI Official Synonym Symbols	T9; TR; TFR; p90; CD71; TFR1; TRFR
NCBI Protein Information	transferrin receptor protein 1
UniProt Protein Name	Transferrin receptor protein 1
UniProt Gene Name	TFRC
UniProt Synonym Gene Names	TR; TfR; TfR1; Trfr; sTfR
UniProt Entry Name	TFR1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

