

Transferrin receptor protein 1 Recombinant Protein | TFRC recombinant protein

Recombinant Human Transferrin receptor protein 1

CATALOG # AAA15927	HOST E Coli
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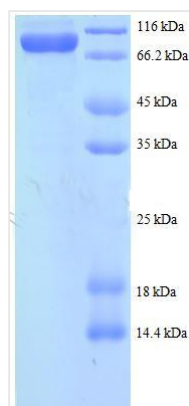
PRODUCT SYNONYMS

Transferrin receptor protein 1; Recombinant Human Transferrin receptor protein 1; T9p90; CD71; TFRC recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 90% as determined by SDS-PAGE.
Form/Format	Liquid containing glycerol
Sequence Positions	94-754
Sequence	PKTECERLAG TESPVREEPG EDFPAARRLY WDDLKRKLSE KLDSTDFTGT IKLLNENSYV PREAGSQKDE NLALYVENQF REFKLSKVWR DQHFVKIQVK DSAQNSVIIV DKNGLRVYLV ENPGGYVAYS KAATVTGKLV HANFGTKKDF EDLYTPVNGS IVIVRAGKIT FAEKVANAES LNAIGVLIYM DQTKFPIVNA ELSFFGHAHL GTGDPYTPGF PSFNHTQFPP SRSSGLPNIP VQTISRAAAE KLFGNMEGDC PSDWKTDSTC RMVTSESKNV KLTVSNVLKE IKILNIFGVI KGFVEPDHYV VVGAQRDAWG PGAAKSGVGT ALLLKLAQMF SDMLVKDGFQ PSRSIIFASW SAGDFGSVGA TEWLEGYLSS LHLKAFTYIN LDKAVLGTSN FKVSASPLLY TLIEKTMQNV KHPVTGQFLY QDSNWASKVE KLTLDNAAFP FLAYSGIPAV SFCFCEDTDY PYLGTMTMDTY KELIERIPEL NKVARAAAEV AGQFVIKLTH DVELNLDYER YNSQLLSFVR DLNQYRADIK EMGLSLQWLY SARGDFFRAT SRLTTDFGNA EKTDRFVMKK LNDVRMRVEY HFLSPYVSPK ESPFRHVFVGW SGSHTLPALL ENLKLRKQNN GAFNETLFRN QLALATWTIQ GAANALSGDV W
Sequence Length	754
Product Note	Applications are user defined. Product is developed and quality control tested in house, data or additional information may be provided upon request. The researcher needs to establish and confirm the suitability of the product for their application.
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for TFRC recombinant protein	Cellular uptake of iron occurs via receptor-mediated endocytosis of ligand-occupied transferrin receptor into specialized endosomes. Endosomal acidification leads to iron release. The apotransferrin-receptor complex is then recycled to the cell surface with a return to neutral pH and the concomitant loss of affinity of apotransferrin for its receptor. Transferrin receptor is necessary for development of erythrocytes and the nervous system. A second ligand, the heditary hochromatosis protein HFE, competes for binding with transferrin for an overlapping C-terminal binding site. 1 Publication
Product Categories/Family for TFRC recombinant protein	Immunology; Raw Materials Assay Development
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) The human transferrin receptor gene genomic organization, and the complete primary structure of the receptor deduced from a cDNA sequence.McClelland A., Kuhn L.C., Ruddle F.H.Cell 39:267-274(1984) Exon/intron structure of the human transferrin receptor gene.Evans P., Kemp J.Gene 199:123-131(1997) Molecular and evolutionary studies of the transferrin receptor.Wheeler D.L.Thesis (1999) , University of Iowa, United States Totoki Y., Toyoda A., Takeda T., Sakaki Y., Tanaka A., Yokoyama S., Ohara O., Nagase T., Kikuno R.F. NIEHS SNPs program

NCBI AND UNIPROT INFORMATION

NCBI GI #	189458819
NCBI GeneID	7037
NCBI Accession #	NP_001121620.1
NCBI GenBank Nucleotide #	NM_001128148.2
UniProt Accession #	P02786; Q1HE24; Q59G55; Q9UCN0; Q9UCU5; Q9UDF9; Q9UK21; D3DXB0
Molecular Weight	101.3kD
NCBI Official Full Name	transferrin receptor protein 1 isoform 1
NCBI Official Synonym Full Names	transferrin receptor
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.

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Online datasheet: <https://stage.aaabiotech.com/tfrc-recombinant-protein-e-coli/15927>