

sTfR active protein

Recombinant Human sTfR Protein

CATALOG #
AAA281422

HOST
HEK293 Cells

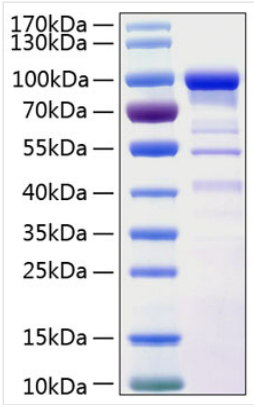
PRODUCT SYNONYMS

sTfR; Recombinant Human sTfR Protein; CD71; IMD46; p90; T9; TFR; TFR1; TR; TRFR; sTfR active protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Purity/Purification	>97% by SDS-PAGE.
Form/Format	Lyophilized from a 0.22 um filtered solution of PBS, pH 7.4.
Sequence	CKGVEPKTEC ERLAGTESPV REEPGEDFPA ARRLYWDDLK RKLSEKLDST DFTGTIKLLN ENSYVPREAG SQKDENLALY VENQFREFKL SKVWRDQHFV KIQVKDSAQN SVIIVDKNGR LVYLVENPGG YVAYSKAATV TGKLVHANFG TKKDFEDLYT PVNGSIVIVR AGKITFAEKV ANAESLNAIG VLIYMDQTKF PIVNAELSFF GHHLGTGDP YTPGFPSFNH TQFPSPRSSG LPNIPVQTIS RAAAEKLFNG MEGDCPSDWK TDSTCRMVTS ESKNVKLTVS NVLKEIKILN IFGVIKGFVE PDHYVVVGAQ RDAWGPGAAG SGVGTALLK LAQMFSDMVL KDGFQPSRSI IFASWSAGDF GSVGATEWLE GYLSSLHLKA FTYINLDKAV LGTSNFKVSA SPLLYTLIEK TMQNVKHPVT GQFLYQDSNW ASKVEKLTLD NAAFPFLAYS GIPAVSFCFC EDTDYPYLG TMDTYKELIE RIPELNKVAR AAAEVAGQFV IKLTHDVELN LDYERYNSQL LSFVRDLNQY RADIKEMGLS LQWLYSARGD FFRATSRLTT DFGNAEKTDR FVMKKLNDRV MRVEYHFLSP YVSPKESPFR HVFWGSGSHT LPALLENLKL RKQNGAFNE TLFRNQLALA TWTIQGAANA LSGDVWDIDN EF
Sequence Length	760
Species	Human
Endotoxin	< 0.1 EU/ug of the protein by LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized human TfR Protein at 10 ug/ml (100 ul/well) can bind human Transferrin. The EC50 of human Transferrin is 5.6 ng/mL.
Reconstitution	Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.
Tag	6xHis tag at the C-terminus
Preparation and Storage	Store the lyophilized protein at -20 degree C to -80 degree C for long term. After reconstitution, the protein solution is stable at -20 degree C for 3 months, at 2-8 degree C for up to 1 week.

IMAGES



SDS-PAGE
Recombinant Human sTfR Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at approximately 85 kDa.

ADDITIONAL INFORMATION

Related Product Information for sTfR active protein	Description: Recombinant Human sTfR Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Cys89-Phe760) of human sTfR (Accession #NP_001121620.1) fused with a 6xHis tag at the C-terminus. Background: This protein is a cell surface receptor necessary for cellular iron uptake by the process of receptor-mediated endocytosis. This receptor is required for erythropoiesis and neurologic development. Multiple alternatively spliced variants have been identified.
Product Categories/Family for sTfR active protein	CD Antigen

NCBI AND UNIPROT INFORMATION

NCBI GI #	189458819
NCBI GeneID	7037
NCBI Accession #	NP_001121620.1
NCBI GenBank Nucleotide #	NP_001121620.1
UniProt Accession #	P02786
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; IMD46
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.

