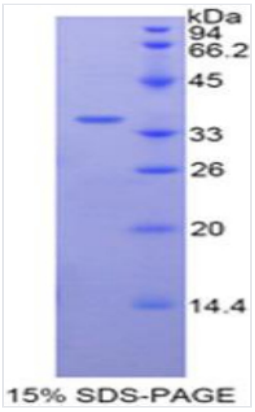
Transferrin (TRF) Recombinant Protein

PRODUCT OVERVIEW

Product Name	Transferrin (TRF), Recombinant Protein
Full Product Name	Recombinant Transferrin (TRF)
Product Gene Name	TRF recombinant protein
Sequence	The target protein is fused with two N-terminal Tags, His-tag and T7-tag, its sequence is listed below. MGSSHHHHHH SSGLVPRGSH MASMTGGQQM GRGSEF-DVI WELL NHAQEHFGKD KPDNFQLFQS PHGKDLLFKD SADGFLKIPS KMDFELYLGY EYVTALQNLR ESKPPDSSKD ECMVKWCAIG HQERTKCDRW SGFSGGAIEC ETAENTEECI AKIMKGEADA MSLDGGYLYI AGKCGLVPVL AENYKTEGES CKNTPEKGYL AVAVVKTSDA NINWNNLKDK KSCHTAVDRT AGWNIPMGLL YSKINNCKFD EFFSAGCAPG SPRNSSLCAL CIGSEKGTGK ECVPNSNERY YGYTGAFRCL VEKGDVAFVK DQTVIQNTDG NNNEA
Host	E Coli
Form/Format	Supplied as lyophilized form in PBS,pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Purity/Purification	> 95%
Preparation and Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate of the targetprotein. The loss rate was determined by accelerated thermal degradation test,that is, incubate the protein at 37 degree C for 48h, and no obvious degradation andprecipitation were observed. (Referring from China Biological Products Standard,which was calculated by the Arrhenius equation.) The loss of this protein is lessthan 5% within the expiration date under appropriate storage condition.
Matching Pairs	Unconjugated Antibody: TRF (MBS2026396) Immunogen: TRF (MBS2009673)
Matching Pairs	APC-CY7 Conjugated Antibody: TRF (MBS2109362) Immunogen: TRF (MBS2009673)
Matching Pairs	PE Conjugated Antibody: TRF (MBS2109363) Immunogen: TRF (MBS2009673)
Matching Pairs	APC Conjugated Antibody: TRF (MBS2109364) Immunogen: TRF (MBS2009673)
Matching Pairs	Cy3 Conjugated Antibody: TRF (MBS2109365) Immunogen: TRF (MBS2009673)
Matching Pairs	Biotin Conjugated Antibody: TRF (MBS2109366) Immunogen: TRF (MBS2009673)
Matching Pairs	FITC Conjugated Antibody: TRF (MBS2109367) Immunogen: TRF (MBS2009673)
Matching Pairs	HRP Conjugated Antibody: TRF (MBS2109368) Immunogen: TRF (MBS2009673)
Molecular Weight	36.1kDa
Chromosome Location	Chromosome: 1; AC_000158.1 (136683311..136722384, complement). Location: 1q41-q46
3D Structure	ModBase 3D Structure for Q29443
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.

Organism	Bos taurus; Bovine (Cattle)
Expression System	Prokaryotic expression
Residues	Asp284~Ala575 (Accession # Q29443) with two N-terminal Tags, His-tag and T7-tag
Subcellular Location	Secreted
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Predicted Isoelectric Point	5.9
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for TRF recombinant protein	SDS-PAGE, Western Blot (WB), ELISA (EIA), Immunoprecipitation (IP)
Related Product Information for TRF recombinant protein	MBS2009673 is a recombinant protein targeting TRF. Also known as Recombinant Transferrin (TRF). Host: E Coli.
Other Notes	Small volumes of TRF recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



SDS-Page of TRF recombinant protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TRF. It may not necessarily be applicable to this product.

NCBI GI #	114326282
NCBI GeneID	280705
NCBI Accession #	NP_803450.2
UniProt Primary Accession #	Q29443
UniProt Secondary Accession #	Q0IIK2
UniProt Related Accession #	Q29443
GenBank Nucleotide #	NM_177484.3
NCBI Official Full Name	serotransferrin
NCBI Official Synonym Full Names	transferrin<
NCBI Official Symbol	TF
UniProt Protein Name	Serotransferrin

UniProt Synonym Protein Names	Beta-1 metal-binding globulin; Siderophilin
Protein Family	TBP-related factor
UniProt Gene Name	TF
UniProt Synonym Gene Names	Transferrin
UniProt Entry Name	TRFE_BOVIN
NCBI Protein Information	serotransferrin; siderophilin; beta-1 metal-binding globulin
UniProt Comments for TRF	Function: Transferrins are iron binding transport proteins which can bind two Fe3+ ions in association with the binding of an anion, usually bicarbonate. It is responsible for the transport of iron from sites of absorption and heme degradation to those of storage and utilization. Serum transferrin may also have a further role in stimulating cell proliferation. Subunit structure: Monomer By similarity. Subcellular location: Secreted. Tissue specificity: Expressed by the liver and secreted in plasma. Sequence similarities: Belongs to the transferrin family.Contains 2 transferrin-like domains.
Research Articles on TRF	**1.** The TF gene has an effect on milk fat yield.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/recombinant-protein/transferrin-trf/2009673