

Transferrin Receptor 2 (TFR2) Recombinant Protein | TFR2 recombinant protein

Recombinant Transferrin Receptor 2 (TFR2)

CATALOG # AAA133956	HOST E Coli	APPLICATIONS Western Blot, SDS-Page
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PRODUCT SYNONYMS

Transferrin Receptor 2 (TFR2); Recombinant Transferrin Receptor 2 (TFR2); TFR2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>90%
Form/Format	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.
Concentration	Original concentration: 200 ug/mL (varies by lot)
Applicable Applications for TFR2 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Organism Species	Homo sapiens (Human)
Source	Prokaryotic expression
Residues	Leu211~Arg405
Tags	N-terminal His Tag
Subcellular Location	Membrane, Chromosome
Traits	Freeze-dried powder
Predicted isoelectric point	6.3
Predicted Molecular Mass	22.6kDa
Accurate Molecular Mass	26kDa as determined by SDS-PAGE reducing conditions.
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1. Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.
Usage	Reconstitute in ddH2O to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°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°C for 48h, and no obvious degradation andprecipitation were observed. The loss of this protein is lessthan 5% within the expiration date under appropriate storage condition.

IMAGES



Application Data
Sequence



SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	332309171
NCBI GeneID	7036
NCBI Accession #	NP_001193784.1
NCBI GenBank Nucleotide #	NM_001206855.1
UniProt Accession #	Q9UP52; O75422; Q1HE13; Q9HA99; Q9NX67; A6NGM7
NCBI Official Full Name	transferrin receptor protein 2 isoform 2
NCBI Official Synonym Full Names	transferrin receptor 2
NCBI Official Symbol	TFR2
NCBI Official Synonym Symbols	HFE3; TFRC2
NCBI Protein Information	transferrin receptor protein 2
UniProt Protein Name	Transferrin receptor protein 2
UniProt Gene Name	TFR2
UniProt Synonym Gene Names	TfR2
UniProt Entry Name	TFR2_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/tfr2-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/133956>