

Product datasheet

Recombinant human Transferrin protein (Active) ab155698

[2 Images](#)

Description

Product name	Recombinant human Transferrin protein (Active)
Biological activity	Immobilized ab155698 at 2 µg/mL (100 µL/well) can bind Biotinylated Human TfR, His Tag with a linear range of 5-78 ng/mL.
Purity	> 95 % SDS-PAGE.
Endotoxin level	< 1.000 Eu/µg
Expression system	HEK 293 cells
Accession	<u>P02787</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human

Sequence

VPDKTVRWCAVSEHEATKCQSFDRDHMKSVIPSDGPSVA
 CVKKASYLDCIR
 AIAANEADAVTL DAGLVYDAYLAPNNLKPVVAEFYGSKED
 PQTFYYAVAV
 VKKDSGFQMNQLRGKKSCHTGLGRSAGWNIPIGLLYCDL
 PEPRKPLEKAV
 ANFFSGSCAPCADGTDFFPQLCQLCPGCGCSTLNQYFGY
 SGAFKCLKDGAG
 DVAFVKHSTIFENLANKADRDQYELLCLDNTRKPVDEYKD
 CHLAQVPSHT
 VVARSMGGKEDLIWELLNQAQEHFGKDKSKEFQLFSSPH
 GKDLLFKDSA
 GFLKVPVRMDAKMYLGYEYVTAIRNLREGTCPEAPTDECK
 PVKWCALSHH
 ERLKCDEWSVNSVGKIECVSAETTEDCIAKIMNGEADAM
 SLDGGFVYIAG
 KCGLVPVLAENYNKSDNCEDTPEAGYFAIAVVKKSASDLT
 WDNLKGKKSC
 HTAVGRTAGWNIPMGLLYNKINHCRFDEFFSEGCAPGSKK
 DSSLCKLCMG

SGLNLCEPNNKEGYGYTGAFRCLVEKGDVAFVKHQTVP
QNTGGKNPDPW
AKNLNEKDYELLCLDGTRKPVVEEYANCHLARAPNHAVVT
RKDKEACVHKI
LRQQQHLLFGSNVTDCSGNFCLFRSETKDLLFRDDTVCLA
KLHDRNTYEKY
LGEEYVKAVGNLRKCSTSSLLEACTFRRP

Predicted molecular weight	76 kDa
Amino acids	20 to 698
Tags	His tag C-Terminus
Additional sequence information	This product is the mature full length protein from aa 20 to 698. The signal peptide is not included (AAH59367).

Specifications

Our **Abpromise guarantee** covers the use of **ab155698** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Functional Studies SDS-PAGE
Form	Lyophilized

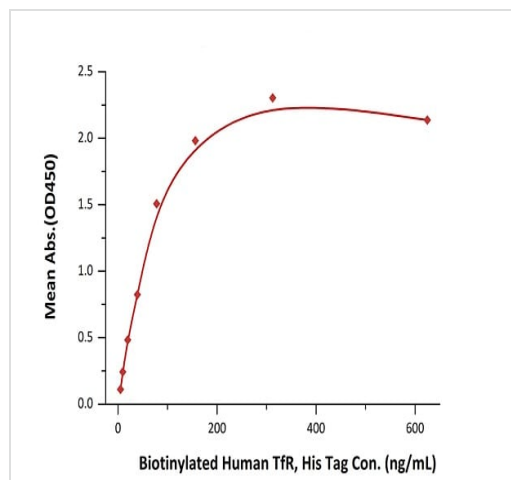
Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 7.40 Constituents: PBS, 5% Trehalose 0.22 µm filtered. This product is an active protein and may elicit a biological response in vivo, handle with caution.
Reconstitution	Reconstitute with sterile deionized water to a concentration of 600 µg/ml.

General Info

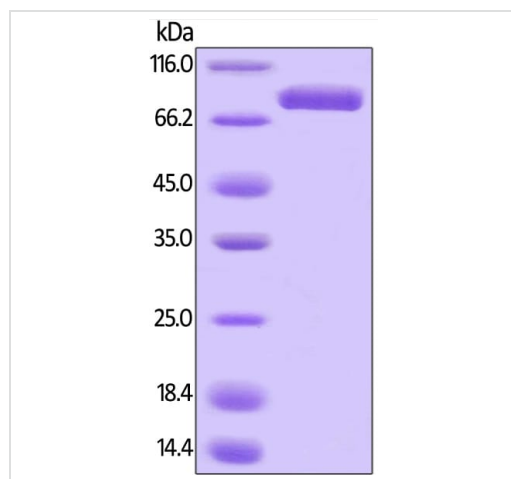
Function	Transferrins are iron binding transport proteins which can bind two Fe(3+) ions in association with the binding of an anion, usually bicarbonate. It is responsible for the transport of iron from sites of absorption and heme degradation to those of storage and utilization. Serum transferrin may also have a further role in stimulating cell proliferation.
Tissue specificity	Expressed by the liver and secreted in plasma.
Involvement in disease	Defects in TF are the cause of atransferrinemia (ATRAF) [MIM:209300]. Atransferrinemia is rare autosomal recessive disorder characterized by iron overload and hypochromic anemia.
Sequence similarities	Belongs to the transferrin family. Contains 2 transferrin-like domains.
Cellular localization	Secreted.

Images



Functional Studies - Recombinant human Transferrin protein (Active) (ab155698)

Immobilized ab155698 at 2 µg/mL (100 µL/well) can bind Biotinylated Human TfR, His Tag with a linear range of 5-78 ng/mL.



SDS-PAGE - Recombinant human Transferrin protein (Active) (ab155698)

SDS-PAGE analysis of ab155698 under reducing conditions, stained overnight with Coomassie Blue.

The protein migrates as 75-100 kDa under reducing conditions.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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