Recombinant Human Transferrin/TF Protein

Catalog No.: RP00997

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Sequence Information

Species
Human

Gene ID
7018

Swiss Prot
P02787

Tags
C-His

Synonyms
HEL-S-71p,PRO1557,PRO2086, TFQTL1,TF,Transferrin

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE;≥95 % as determined by HPLC.

Calculated MW
76.02 kDa

Observed MW
76-90 kDa

Endotoxin
< 0.1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

Basic Information

Description
Recombinant Human Transferrin/TF Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Val20-Pro698) of human Transferrin (Accession #NP_001054.1) fused with a 6×His tag at the C-terminus.

Activity
1.Measured in a serum-free cell proliferation assay using MCF-7 human breast cancer cells. The ED_{50} for this effect is 0.075-0.3 ng/mL.

2.Measured by its binding ability in a functional ELISA. Immobilized Recombinant human Transferrin at 2 μg/mL (100 μL/well) can bind Recombinant human TfR with a linear range of 4-17 ng/mL.

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

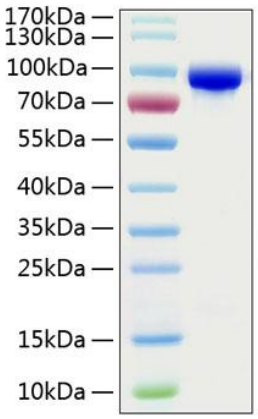
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

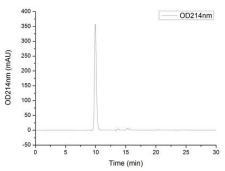
400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

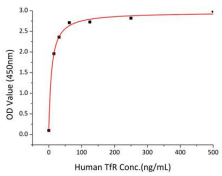
Validation Data



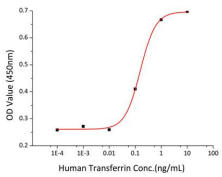
Recombinant Human Transferrin/TF Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



The purity of Human Transferrin Protein (Cat.RP00997) was greater than 95% as determined by SEC-HPLC.



Immobilized Recombinant human Transferrin at 2 μg/mL (100 μL/well) can bind Recombinant human TfR with a linear range of 4-17 ng/mL.



Recombinant Human Transferrin promotes the proliferation of MCF-7 human breast cancer cells. The ED_{50} for this effect is 0.075-0.3 ng/mL.