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Recombinant Human Transferrin/TF Protein

Catalog No.: RP00997 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	7018	P02787

Tags
C-His

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

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE;≥95 % as determined by HPLC.

Calculated MW	Observed MW
76.02 kDa	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.

Contact

400-999-6126

cn.market@abclonal.com.cn

Background

Basic Information

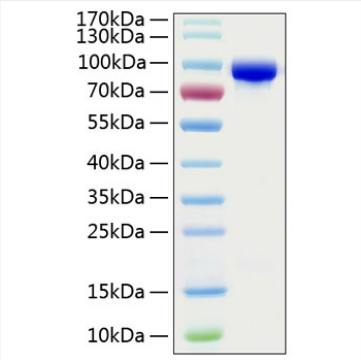
Description
Recombinant Human Transferrin/TF Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Val20-Pro698) of human Transferrin (Accession #NP_001054.1) fused with a 6×His tag at the C-terminus.

Bio-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.

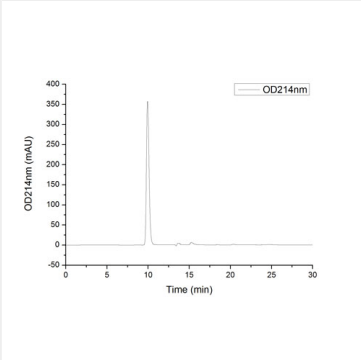
Storage
Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.
Avoid repeated freeze/thaw cycles.

* 为了您的安全和健康，请穿实验服并戴一次性手套操作。

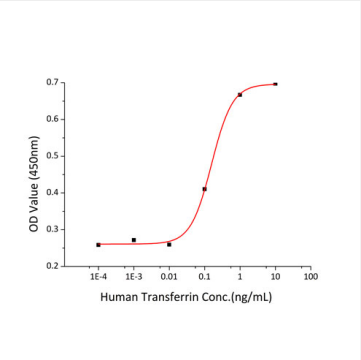
Validation Data



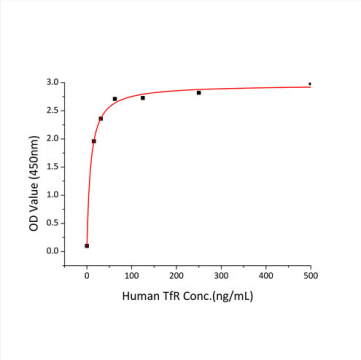
Recombinant Human Transferrin/TF Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



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



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.



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.