

RP03506

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# Recombinant Human Holo-Transferrin/TF Protein

Catalog No.: RP03506 **Recombinant**

## Sequence Information

| Species   | Gene ID | Swiss Prot |
|-----------|---------|------------|
| CHO cells | 7018    | P02787     |

### Tags

NO-Tag

### Synonyms

Serotransferrin; Transferrin; Beta-1 metal-binding globulin; Siderophilin; TF

## Product Information

| Source | Purification                      |
|--------|-----------------------------------|
|        | ≥ 95 % as determined by SDS-PAGE. |

### Endotoxin

≤0.5 EU/mg of the protein by LAL method.

### Formulation

Supplied as 0.22µm filtered solution in Sterile water.

### Reconstitution

It is recommended to redissolve in sterile deionized water.

## Background

Transferrins are iron binding transport proteins which can bind two Fe<sup>3+</sup> 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.

## Basic Information

### Description

Recombinant Human Holo-Transferrin/TF Protein is produced by CHO cells expression system. The target protein is expressed with sequence (Val20-Pro698) of Human Holo-Transferrin/TF (Accession #NP\_001054.1) fused with no tag.

### Bio-Activity

Measured in a serum-free cell proliferation assay using MDCK canine kidney epithelial cells. The ED50 for this effect is 0.5-2 µg/mL. Optimal concentration depends on cell type as well as the application or research objectives

### Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

### Operational Notes

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

### Storage

Store at -20°C. 36 months at 2°C to 8°C in lyophilized state 6 months at -20°C to -80°C under sterile conditions after reconstitution 7-10 days at 2°C to 8°C under sterile conditions after reconstitution Use a manual defrost freezer and avoid repeated freeze-thaw cycles. Avoid repeated freeze/thaw cycles.

## Contact



[www.abclonal.com](http://www.abclonal.com)

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