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## Recombinant Human Transferrin (Holo)

Product Number:RP202

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### Shipping and Storage

Ice pack transportation. 2-8 °C, dark, moisture-proof, sealed and dry, valid for 24 months.

### Description

Transferrin (TF) is the main iron containing protein in plasma, which not only participates in iron transport and metabolism, but also in respiration, cell proliferation, and immune system regulation. It also has antioxidant and bactericidal protective functions and is widely used in cell culture. Transferrin exists in three forms: de iron (not bound to iron ions), saturated iron (bound to two molecules of iron ions), and partially saturated. This product is a recombinant human transferrin expressed and purified from *Pichia pastoris* using genetic recombination technology. It does not contain animal derived components, has no risk of blood borne viral infection, and has high batch stability. This product is transferrin, which not only functions as a transferrin, but also serves as an iron source for cells.

Specification	500mg,1g,10g,100g
CAS/MDL	11096-37-0/MFCD00131337
Source	Pichia
Appearance	White to red loose body or powder
Identification	Positive (immunoblotting)
Protein content	95.0-105.0%(Biuret method)
Purity	≥98.0%(HPLC-RP)
Protein content	75.2kD±7.5kD(SDS-PAGE)
pH	5.0-7.0
Iron content	0.10%-0.35%(AAS)
Endotoxin	≤0.5EU/ml(gel method)

### Application

Can be used for animal cell culture.

### Protocol

Resuscitation: Generally, PBS or other suitable solvents are used to dissolve transferrin dry powder into a storage solution at room temperature, with a concentration of 0.5-2.0 mg/ml. Then, the solution is filtered through a sterile filter membrane, and the filtrate can be stored at 2-8 °C under sterile conditions for 30 days.

### Note

This product is only used for scientific research, laboratory, and production purposes, and is not intended for clinical treatment. It should not be used on animals or humans.

**For Research Use Only**