

### ★ Storage

Store at -20°C.

### ☛ Contents

- Product manual
- Transferrin Solution, 10mg/ml, Animal free, Cell culture tested

ALL PRODUCTS SOLD BY GenDEPOT ARE INTENDED FOR RESEARCH USE ONLY UNLESS OTHERWISE INDICATED. THIS PRODUCT IS NOT INTENDED FOR DIAGNOSTIC OR DRUG PURPOSE

### ★ Introduction

Transferrin is the iron-transport protein of vertebrate serum and donates iron to cells through interaction with a specific membrane receptor, CD71. Transferrin appears to be indispensable for most cells growing in tissue culture. It is referred to frequently as a growth factor, because in analogy to other growth factor-receptor interactions, proliferating cells express high numbers of transferrin receptors, and the binding of transferrin to their receptors is needed for cells to initiate and maintain their DNA synthesis. Apart from its role as an iron transport protein transferrin acts as a cytokine and has functions that may not be related to its iron-carrying capacity. Recombinant Human Transferrin produced in Plant is a non-glycosylated, polypeptide chain containing 679 amino acids and having a molecular mass of 76 kDa. The Recombinant Human Transferrin is purified by proprietary chromatographic techniques.

### ★ Source

Oryza sativa (rice)

### ★ Biological Activity

One mg of Recombinant Human Transferrin will bind to approximately 2 micrograms of Fe.

### ★ Formulation

Recombinant Transferrin 10mg/ml in DMEM-12

### ★ Related Products

Product Name	Cat No
Insulin Solution, 1mg/ml	CA204
Cellmaxin, 10mg/ml	C3314
Cellmaxin Plus, 10.5mg/ml	C3319
Fungizols PS (100X)	F2100