

# OsrhTF

## Recombinant Human Transferrin, HyCreat™

Cell Culture Grade, Lyophilized powder



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### Introduction

Human transferrin is a glycoprotein which bind to and consequently mediate the transport of iron (Fe) and cell in serum with a molecular weight of 76 KDa. Serum-free cell culture systems require a form of iron delivery. Transferrin is the preferred delivery form of iron because cells can process transferrin-bound iron in a physiologically appropriate manner through transferrin receptors on the cell surface.

OsrhTF is a recombinant human transferrin derived from rice endosperm, which can provide bulk and stable supply, mainly used in serum-free cell culture to promote iron transport and cell growth.

Compared with bovine-derived transferrin, OsrhTF is animal component free, can avoid the risk of contamination from human or animal-derived viruses and mycoplasma.

### Specification

- **Source:** Rice Grain (*Oryza Sativa*)
- **Appearance :** Pink to Russetish or Orange-Red Powder or Crystal Powder
- **Formulation:** It is lyophilized from sterile PBS
- **Package size:** 1g, 10g, 100g
- **Endotoxin:** Less than 0.5 EU/mg
- **Purity :** More than 95.0% as determined by RP-HPLC.
- **Iron content:** No less than 90mg/100g

### Preparation and Storage

- **Reconstitution:** Recommend to reconstitute lyophilized OsrhTF with PBS. Further dilutions can be made in other aqueous buffer.
- **Storage:** Stored at temperature 2-8°C for at least 24 months

**Please avoid repeated freeze-thaw cycles.**

### Related Products

Cat.No.	Product Name
HYC002C02	OsrHSA, Excipient Grade, liquid
HYC002C01	OsrHSA, Excipient Grade, powder
HYC002M01	OsrHSA, Cell Culture Grade, powder
HYC028M01	OsrHSA, Fatty acid free
HYC002R01	OsrHSA, Reagent Grade, powder
HYC002R02	OsrHSA, HyWill, powder
HYC005M01	OsrhbFGF, Lyophilized powder
HYC021M01	OsrhFN, Lyophilized powder
HYC007M01	rhIGF-1 LR3, Lyophilized powder
HYC020M01	rhEGF, Lyophilized powder
HYC026M01	OsrVEGF, Lyophilized powder
HYC027M01	OsrhKGF, Lyophilized powder
HYC004M01	OsrhLF, Lyophilized powder
HYC006M01	OsrhAAT, Lyophilized powder

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MANUFACTURE USE ONLY. NOT INTENDED  
FOR DIRECT USE ON HUMANS.**

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