# Recombinant Human Transferrin (His Tag)

**Catalog Number: OM643781**

## Characteristics:

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| **Source** | Chinese Hamster Ovary cell line |
| **Description** | Human Transferrin (Val 20-Pro 698) with a C-terminal 6-His tag<br>Accession # P02787 |
| **Predicted molecular mass** | 76 kDa |

## Specification:

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| **Appearance** | White or red powder, red clear liquid after reconstitution |
| **Purity** | ≥95%, by SDS-PAGE (under reducing (R) & Non-reducing conditions, visualized by Coomassie staining) |
| **Endotoxin** | ≤1 EU/mg by the LAL method |
| **Activity** | Measured in a serum-free cell proliferation assay using MDCK canine kidney epithelial cells. The $ED_{50}$ for this effect is 0.5-2 μg/mL.<br>Optimal concentration depends on cell type as well as the application or research objectives. |
| **Formulation** | Lyophilized from a 0.22 μm-filtered solution containing PBS, 5% mannitol and 0.01% Tween 80, pH 7.4 |
| **Size** | 100 mg/vial |

## Handling and Storage:

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| **Reconstitution** | It is recommended to redissolve in sterile deionized water. |
| **Shipping** | The product is shipped with blue ice |
| **Storage & Stability** | 36 months at 2°C to 8°C in lyophilized state<br>6 months at -20°C to -80°C under sterile conditions after reconstitution<br>7-10 days at 2°C to 8°C under sterile conditions after reconstitution<br>**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** |