# Recombinant Bovine Transferrin

**Catalog Number: OM643783**

## Characteristics:

| | |
|---|---|
| **Source** | Chinese Hamster Ovary cell line |
| **Description** | Bovine Transferrin (Asp20-Pro704)<br>Accession # Q29443 |
| **Predicted molecular mass** | 75.8 kDa |

## Specification:

| | |
|---|---|
| **Appearance** | White or ren powder, Red clear liquid after reconstitution |
| **Purity** | ≥95%, by SDS-PAGE (under reducing (R) & Non-reducing conditions, visualized by Coomassie staining) |
| **Endotoxin** | ≤10 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. Optimal concentration depends on cell type as well as the application or research objectives. |
| **Formulation** | Lyophilized from a 0.2 μm filtered solution in sterile water |
| **Size** | 50 μg/vial, 1 mg/vial |

## Handling and Storage:

| | |
|---|---|
| **Reconstitution** | It is recommended to redissolve in sterile deionized water. |
| **Shipping** | The product is shipped with blue ice. |
| **Storage & Stability** | 36 months at -20°C to -80°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.** |