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## Recombinant Bovine Transferrin

**Product Number: CK04542**

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### Characteristics:

**Source:** Chinese Hamster Ovary cell line

**Description:** Bovine Transferrin (Asp20-Pro704)

**Accession #** Q29443

**Predicted molecular mass:** 75.8 kDa

### Specification:

**Appearance:** White or tan 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 ED50 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
- 6 months at -20°C to -80°C under sterile conditions after reconstitution
- 7-10 days at 2°C to 8°C under sterile conditions after reconstitution

**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.**