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Recombinant Human Transferrin (hFc Tag)

Product Number: CK04503

Characteristics:

Source: Chinese Hamster Ovary cell line

Description: Human Transferrin (Val20-Pro698) with a C-terminal linker GGGGGS and Human IgG1 (Asp104-Lys330)

Accession # P02787

Predicted molecular mass: 101.1 kDa (monomer)

Specification:

Appearance: White powder, clear colorless liquid after reconstitution

Purity: $\geq 95\%$, 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 ED50 for this effect is 0.5-2 $\mu\text{g/mL}$. 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:

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
- 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.