ANGIO-PROTEOMIE
HIGH QUALITY REAGENTS FOR LIFE SCIENCES

Recombinant Human Holo-Transferrin (Pichia pastoris-expressed)

Product Overview

Recombinant Human Transferrin (holo-form) is the primary iron-transporting protein in plasma, essential for iron metabolism, cellular respiration, proliferation, and immune regulation. This recombinant holo-transferrin is expressed in Pichia pastoris and offers high batch stability without animal-derived components, eliminating the risk of blood-borne pathogens. In addition to mimicking natural transferrin function, it serves as a bioavailable source of iron in cell culture applications. **Our recombinant product is animal-free and carries no risk of blood-borne viral contamination, ensuring excellent safety and lot-to-lot consistency.**

Key Features

Holo-form- Fully iron-saturated (bound to two iron ions)
Recombinant expression - produced in *Pichia pastoris*
Animal-free - no animal-derived ingredients
High purity - ≥98.0% (HPLC-RP)
Batch-to-batch consistency
Safe - endotoxin ≤0.5 EU/mL

Specifications

Source	Pichia pastoris	**Appearance**	Salmon pink to red powder
Identification	Positive (Western blotting)	**Protein Content**	95.0–105.0% (Biuret method)
Purity	⩾98.0% (HPLC-RP)	**Molecular Weight**	75.2 ± 7.5 kDa (SDS-PAGE)
pH Range	7.0 – 9.0	**Endotoxin Level**	≤0.5 EU/mL (Sol-Gel method)
Iron Content	0.10% – 0.35% (AAS)		

Application

Suitable for animal cell culture requiring controlled iron conditions. And used in scientific research and biomanufacturing settings

Usage Instructions

Reconstitution: Dissolve in PBS or another suitable solvent at room temperature to prepare a 0.5–2.0 mg/mL stock solution. Sterile filter the solution and store at 2–8 °C for up to 30 days.

Storage & Shipping

Storage Temperature: 2–8 °C
Shelf Life: 24 months
Transport: Ice pack
Storage Conditions: Dry, moisture-proof, and lightproof

Important Notice

This product is for research and industrial use only. Not intended for clinical, therapeutic, diagnostic, or veterinary applications. Not for use in humans or animals.

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