

Recombinant Human Albumin (Pichia pastoris-expressed)

Product Overview

Our recombinant human albumin is produced via genetic recombination in *Pichia pastoris*. It serves as a high-purity, animal-free alternative to serum-derived albumin, ideal for use in cell culture, pharmaceutical formulation, and biomedical research. With no risk of blood-borne contaminants, it offers exceptional batch-to-batch consistency, high solubility, and stability under storage conditions. **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

Animal-free: Expressed in *Pichia pastoris*

Validated identity: Confirmed by Western blot

Highly stable: Long-term storage up to 24 months

High purity: $\geq 99.0\%$ (USP-NF 2023)

Low endotoxin: ≤ 0.125 EU/mg

Specifications

Source	<i>Pichia pastoris</i>	Appearance	Off-white loose body / powder
Identification	Positive (Western blotting)	Protein Content	99.0 – 105.0% (RP-C4)
Purity	$\geq 99.0\%$ (USP-NF 2023)	Molecular Weight	66.5 \pm 6.7 kDa (SDS-PAGE)
pH Range	6.0 – 8.0	Endotoxin Level	≤ 0.125 EU/mg (Sol-Gel)
Host Cell Protein	≤ 0.01 ng/mg (ELISA)	CAS / MDL	70024-90-7 / MFCD00081418

Application

Cell therapy and stem cell culture / Vaccine formulation and drug delivery systems / In vitro diagnostics (IVD) / Biopharmaceutical formulations / Coating or embedding agents in medical devices

Usage Instructions

Dissolve dry powder in sterile PBS to 200 mg/mL. Further dilute with appropriate solvents as needed. Use immediately after reconstitution or store at 4 °C for up to 6–12 months in sterile, airtight conditions.

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.