

Recombinant Human ALB Protein, Animal Free

Cat. No. ALB-03H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Recombinant Human ALB Protein without tag was expressed in Pichia pastoris.
 Isoelectric Point, PI 4.7
 Residues, number 584
 A279 nm, 1 cm, 0.1% 0.531
 Derived from the prototypical human serum albumin sequence with a single deletion at the N-terminus (Asp)
 Free from risk of contamination with human and animal viruses or prions
 Animal Free

Species Human

Source P.pastoris

Description

This gene encodes the most abundant protein in human blood. This protein functions in the regulation of blood plasma colloid osmotic pressure and acts as a carrier protein for a wide range of endogenous molecules including hormones, fatty acids, and metabolites, as well as exogenous drugs. Additionally, this protein exhibits an esterase-like activity with broad substrate specificity. The encoded preproprotein is proteolytically processed to generate the mature protein. A peptide derived from this protein, EPI-X4, is an endogenous inhibitor of the CXCR4 chemokine receptor.

Form Light yellow solution

Molecular Mass 66,357 Dalton

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Endotoxin	Low endotoxin; Spec: less than 2 EU/mg (typically 0.1-0.2 EU/mg)
Purity	> 99%, Monomeric, Non-detectable Yeast impurities by Western Blot
Applications	<ul style="list-style-type: none"> Cell culture Drug delivery Drug binding Immunobiological applications Diagnostics In vitro fertilization Protein and peptide formulation
Concentration	5% solution
Storage Buffer	Sterile 5 % solution in PBS containing 4 mM Sodium Caprylate and 4 mM Acetyltryptophan

GENE INFORMATION

Gene Name	ALB albumin [Homo sapiens (human)]
Official Symbol	ALB
Synonyms	ALB; albumin; HSA; FDAHT; PRO0883; PRO0903; PRO1341; albumin; serum albumin; EC 6.1.1.16
Gene ID	213
mRNA Refseq	NM_000477
Protein Refseq	NP_000468

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MIM	103600
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UniProt ID	P02768
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