

Recommended Human ALB

Cat. No. ALB-017A **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ALB was expressed in <i>Aspergillus oryzae</i> and purified by SE-HPLC.
Species	<i>Aspergillus oryzae</i>
Source	<i>Aspergillus oryzae</i>
Description	Recombinant Human ALB has been developed for large-scale industrial bioprocessing applications, providing process development scientists with a high-quality and economical recombinant albumin option. Manufactured to ISO 9001:2000 standards using an animal-free process, Recombinant Human ALB eliminates the consistency and regulatory issues commonly associated with animal-derived BSA and HSA, and provides benefits beyond chemically defined processes. Suitable for both research and industrial-scale applications, Recombinant Human ALB is supplied as a powdered product in multiple packaging formats, including bulk.
Form	Flexible powder format and multiple packaging options to streamline addition at the bench and on the production floor.
Key Benefits	Animal-free, defined powder; Biologically active, full-length protein; Replacement for animal- and human-derived albumin; Manufactured in accordance with ISO 9001:2000; Recombinant - expressed in <i>Aspergillus oryzae</i> ; Low endotoxin; No contaminating IgG; Bulk packaging options available.
Application Areas	1. Media optimization for industrial cell culture Maximize productivity and process

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

robustness while maintaining a defined, animal-free platform. 2. Cell-based vaccine production Supplements to move to animal-free production, improving performance, regulatory acceptance, and safety. 3. Plastic and vessel coating Minimize loss of critical and expensive media components to vessel surfaces to improve the long term stability and performance of your media.

Usage For stem and industrial mammalian cell culture.

Unitprot ID P02768

GENE INFORMATION

Gene Name ALB albumin [Homo sapiens]

Official Symbol ALB

Synonyms ALB; PRO0883; PRO0903; PRO1341; DKFZp779N1935; serum albumin; OTTHUMP00000160370; OTTHUMP00000196832; OTTHUMP00000220435; OTTHUMP00000220436; OTTHUMP00000220438; OTTHUMP00000220439; growth-inhibiting protein 20; cell growth inhibiting protein 42; NP_000468.1; EC 6.1.1.16

Gene ID 213

mRNA Refseq NM_000477

Protein Refseq NP_000468

MIM 103600

Chromosome 4q13.3

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Location	
Pathway	Metabolism of lipids and lipoproteins; Bile acid and bile salt metabolism; FOXA2 and FOXA3 transcription factor networks; Formation of Platelet plug; HDL-mediated lipid transport; Hemostasis; Lipoprotein metabolism; Platelet Activation; SLC-mediated transmembrane transport; Selenium Pathway; Transmembrane transport of small molecules; Transport of vitamins, nucleosides, and related molecules
Function	DNA binding; antioxidant activity; copper ion binding; drug binding; fatty acid binding; metal ion binding; oxygen binding; protein binding; pyridoxal phosphate binding; toxin binding; zinc ion binding
PDB rendering based on 1e7h.	