

Recombinant Mouse Alb Protein

Cat. No. Alb-234M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Serum Albumin produced in yeast (<i>Pichia pastoris</i>) Contains 584 amino acid residues (65,858 Dalton) plus one cysteine on average (119 Dalton)* derived from the prototypical mouse serum albumin sequence, Gene Bank Accession No. XM-132149.
Species	Mouse
Source	Yeast
Description	This gene encodes albumin, an abundant plasma protein essential for maintaining oncotic pressure that functions as a carrier protein for various molecules such as steroids and fatty acids in blood. This gene is primarily expressed in liver where the encoded protein undergoes proteolytic processing before secretion into the plasma.
Form	Freeze dried protein
Endotoxin	≤5 EU/mg
Purity	≥95% MONOMER
Usage	Buffers should be added to the powder without stirring, allowing the protein to dissolve over the course of 15 to 30 minutes. This product is most soluble in PBS, pH7.4 with 4mM sodium caprylate. Concentrations to 5% (50mg/ml) are readily achievable. The process for this product maintains sterility during critical stages of preparation.

 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

However, the final freeze drying step, while handled aseptically and sealed under a sterile hood, is technically not sterile. For animal experiments we recommend sterile filtration prior to use.

Storage

Short term storage of lyophilized powder or dissolved material can be stored at 4 centigrade. In general, and for longer term storage, this product should be stored at -80 centigrade until use. Numerous freeze-thaw cycles should be avoided.

Storage Buffer

Lyophilized in purified water with no additives.

GENE INFORMATION

Gene Name

[Alb](#)

Official Symbol

[Alb albumin \[Mus musculus \(house mouse\) \]](#)

Synonyms

Alb; albumin; Alb1; Alb-1; BCL002; serum albumin; albumin 1; EC 6.1.1.16

Gene ID

[11657](#)

mRNA Refseq

[NM_009654](#)

Protein Refseq

[NP_033784](#)

UniProt ID

[P07724](#)

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