

Recombinant Human ALB, His-tagged

Cat. No. ALB-106H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ALB was expressed as 6*his-tagged fusion protein by E.Coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
Description	<p>Albumin is a soluble, monomeric protein which comprises about one-half of the blood serum protein. Albumin functions primarily as a carrier protein for steroids, fatty acids, and thyroid hormones and plays a role in stabilizing extracellular fluid volume.</p> <p>Albumin is a globular unglycosylated serum protein of molecular weight 65,000. Albumin is synthesized in the liver as prealbumin which has an N-terminal peptide that is removed before the nascent protein is released from the rough endoplasmic reticulum. The product, proalbumin, is in turn cleaved in the Golgi vesicles to produce the secreted albumin.</p>
Source	E. coli
Species	Human
Tag	His
AA Sequence	256-609aa
Storage	The protein is stored in PBS buffer at -20 oC. Repeated freezethaw cycles should be

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Storage Buffer

1M PBS (58mM Na₂HPO₄, 17mM NaH₂PO₄, 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

Gene Name

ALB albumin [Homo sapiens (human)]

Official Symbol

ALB

Synonyms

ALB; PRO0883; PRO0903; PRO1341; albumin; serum albumin; albumin (32 AA); albumin (AA 34); 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

UniProt ID

P02768

Chromosome Location

4q13.3

Pathway

Bile acid and bile salt metabolism; Binding and Uptake of Ligands by Scavenger Receptors; HDL-mediated lipid transport

Function

DNA binding; antioxidant activity; chaperone binding

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