

## Native Human ALB protein

Cat. No. ALB-21H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Native Human ALB protein was purified from Male urine.

**Species** Human

**Source** Male Urine

**Description** Human Serum Albumin (HSA) is the most abundant protein contained in plasma. Its single polypeptide chain has 585 amino acid residues and molecular weight of about 6.7 kDa. It contributes to the maintenance of osmotic pressure in blood and binds to nutrients and metabolites to thereby transport these substances. HSA has been developed into drugs and biochemical reagents. Our high purity HSA product is made from human urine based on our proprietary protein online-absorption and column chromatography technology. It has significant advantages: (1) abundant source of urine, (2) no contamination of heterologous protein, (3) a single band on SDS-PAGE, (4) no multimer on HPLC, and (5) it meets the requirements of Chinese Pharmacopoeia Standard (2010 version).

**Form** It is a clear, slightly viscous liquid, slightly yellow in color.

**Purity** Greater than 98%, a single band on SDS-PAGE and no contamination of multimer on HPLC.

**Applications** It is used as supplement media of cell culture, and excipient in the formulation of therapeutic proteins.

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

**Storage** Store and ship at 2-8 centigrade or at room temperature, protected from light.

## GENE INFORMATION

**Gene Name** ALB albumin [ Homo sapiens ]

**Official Symbol** ALB

**Synonyms** ALB; albumin; serum albumin; albumin (32 AA); albumin (AA 34); growth-inhibiting protein 20; cell growth inhibiting protein 42; PRO0883; PRO0903; PRO1341; DKFZp779N1935;

**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, organism-specific biosystem; FOXA2 and FOXA3 transcription factor networks, organism-specific biosystem; HDL-mediated lipid transport, organism-specific biosystem; Hemostasis, organism-specific biosystem; Lipid digestion, mobilization, and transport, organism-specific biosystem; Lipoprotein metabolism, organism-specific biosystem; Metabolism, organism-specific biosystem;

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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



**Function**

DNA binding; antioxidant activity; cell surface binding; chaperone binding; copper ion binding; drug binding; drug binding; enzyme binding; fatty acid binding; fatty acid binding; metal ion binding; contributes\_to oxygen binding; protein binding; pyridoxal phosphate binding; toxin binding; zinc ion binding;

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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