Native Human ALB protein

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

SPECIFICATION

Product Overview	Native Human ALB protein was furified 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.

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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;

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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;

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