

ALB

Native Human Serum Albumin

Catalog No.	CRS139A CRS139B CRS139C	Quantity:	100 mg 500 mg 5 g
Alternate Names:	Serum albumin, ALB, PRO0883, PRO0903, PRO1341, DKFZp779N1935, GIG20, GIG42, PRO1708, PRO2044, PRO2619, PRO2675, UNQ696, SA, HSA.		
Description:	<p>Albumin is synthesized in the liver as preproalbumin 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. 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. Mutations in this gene on chromosome 4 result in various anomalous proteins. Albumin is a globular unglycosylated serum protein of molecular weight 65,000.</p> <p>HSA is widely used to stabilize blood volume generally from donors but the fear of contamination such as HIV & Hepatitis has enticed great interest in the recombinant form which is identical to the natural blood.</p> <p>Human Serum Albumin contains 584 amino acid residues derived from the prototypical human serum albumin sequence. Suitable for use in biochemical, excipient (an inert substance used as a diluent or vehicle for a drug), culture media and chromatographic applications.</p>		
Physical Appearance:	Sterile Filtered clear orange solution.		
Gene ID:	213		
Source:	Human serum		
Molecular Weight:	65 kDa		
Formulation:	0.25 gr/ml solution containing no additives.		
Purity:	Greater than 99.0% as determined by (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.		
Storage & Stability:	Human Serum Albumin although stable at room temperature for 2 weeks should be stored at 4°C.		
Applications:	Formulation of Protein Therapeutics Cell Storage: Cryopreservation Vaccine formulation and manufacturing Development of mammalian cell cultures Infertility treatments Coating for medical devices Drug delivery <i>In vivo</i> diagnostics		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

