9051 Mira Mesa Blvd, #910094
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HSA Protein

HSA Human Protein
NTP0036

Product Overview

Name	HSA Protein
Description	
HSA Human Protein	
Accession (Primary)	P02768
Synonyms	
HSA, ALB, PRO0883, PRO0903, PRO1341, DKFZp779N1935, GIG20, GIG42, PRO1708, PRO2044, PRO2619, PRO2675, UNQ696, SA, HSA.	
Introduction	
HSA 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 HSA. HSA is a soluble, monomeric protein which comprises about one-half of the blood serum protein. HSA 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. HSA is a globular unglycosylated serum protein of molecular weight 65,000. The human HSA gene is 16,961 nucleotides long from the putative 'cap' site to the first poly (A) addition site. It is split into 15 exons which are symmetrically placed within the 3 domains that are thought to have arisen by triplication of a single primordial domain. 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. Suitable for use in biochemical, excipient (an inert substance used as a diluent or vehicle for a drug), culture media and chromatographic applications.	
Source	
Human Serum.	
Physical Appearance	
Sterile Filtered clear yellowish solution.	
Formulation	
0.2gr/ml solution containing no additives.	
Stability	
HSA although stable at room temperature for 2 weeks should be stored at 4°C.	

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Purity

Greater than 97.0% as determined by SDS-PAGE.

Precautions

HSA Protein is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P02768)