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32-4661: Recombinant Human Serum Albumin, Lipid Free(Discontinued)

Alternative Name :	Serum albumin,ALB,PRO0883,PRO0903,PRO1341,DKFZp779N1935,GIG20,GIG42, PRO1708,PRO2044,PRO2619,PRO2675,UNQ696,SA,HSA.

Description

Source : Rice Grain. HSA Human Recombinant lipid reduced produced in Plant is a non-glycosylated, polypeptide chain containing 585 amino acids and having a molecular mass of 67 kDa.The optimum concentration for recombinant Albumin to be used in cell culture ranges between 0.5gr to 2gr per liter3.The recombinant Albumin is purified by proprietary chromatographic techniques. 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. The human albumin 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

Product Info

Amount :	50 mg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	The Recombinant Albumin was lyophilized with sodium chloride. A 10% w/v solution when dissolved in water will contain 50mM NaCl.
Storage condition :	Recombinant Albumin although stable at 4C for 3 weeks, should be stored at -18C.Please prevent freeze-thaw cycles.

Application Note

It is recommended to reconstitute the lyophilized HSA in sterile water at a conc. of 1mg/ml, which can then be further diluted to other aqueous solutions.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.