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## Product Data Sheet

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Product Name: HSA Lipid free

Cat. No.: GP24391

Batch No.: 1

### Product Data

Purity	>98%	Source	Rice Grain.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Serum albumin; ALB; PRO0883; PRO0903; PRO1341; DKFZp779N1935; GIG20; GIG42;		
Solubility	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.		
Formulation	The Recombinant Albumin was lyophilized with sodium chloride. A 10% w/v solution when dissolved in water will contain 50mM NaCl.		

### Introduction

Albumin is synthesized in the liver as prealbumin 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

### Stability

Recombinant Albumin although stable at 4C for 3 weeks, should be stored at -18C.

### Background

**Caution: Product has not been fully validated for medical applications. For research use only.**

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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.

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