9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

HSA Recombinant, HEK

Human Serum Albumin Recombinant, HEK
RCP1057

Product Overview

Name	HSA Recombinant, HEK

Description

Human Serum Albumin Recombinant, HEK

Accession (Primary)	P02768

Synonyms

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

Introduction

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 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.

Source

HEK.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation

The HSA protein was lyophilized from 0.92mg/ml in 1xPBS.

Stability

Lyophilized HSA although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution HSA should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Purity

Greater than 95% as obsereved by SDS-PAGE.

Solubility

It is recommended to reconstitute the lyophilized HSA in sterile 1xPBS.

Precautions

HSA Recombinant, HEK is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P02768)