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

# HSA, Pichia Pastoris

*Human Serum Albumin Recombinant, Pichia*
*RCP1059*

## Product Overview

| | |
|---|---|
| Name | HSA, Pichia Pastoris |

**Description**

Human Serum Albumin Recombinant, Pichia

| | |
|---|---|
| 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**

Pichia Pastoris.

**Physical Appearance**

Yellowish gel like solution.

**Formulation**

The Recombinant Albumin having a concentration of 200mg/ml contains 140mM sodium chloride and 0.16mM octanoate.

**Stability**

Recombinant Albumin although stable at 15°C for 1 week, should be stored at 4°C for longer periods of time. Please

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

prevent freeze-thaw cycles.

**Purity**

Greater than 97% as determined by HPLC.

**Applications**

Recombinant Albumin can be used as a media culture supplement at concentrations up to 5 grams per liter. Gradual adaptation of cell lines over several passages to a concentration of 0.5gr to 2gr per liter.

**Precautions**

HSA, Pichia Pastoris is for research use only and not for use in diagnostic or therapeutic procedures.

## Target Information: ( P02768 )