

# Recombinant Human Serum Albumin-Mammalian derived

## Certificate of Analysis and Data Sheet

➤ <b>Source:</b> Mammalian Cell Line	➤ <b>Catalog No.</b> PRO-369
---	---------------------------------

### ➤ **Background:**

Serum Albumin is a major protein in the blood. It is important in maintaining the colloidal osmotic pressure and transporting large organic molecules. Fear of infectious diseases as HIV & Hepatitis has enticed great interest in the recombinant form which is identical to the natural blood.

### ➤ **Description :**

Recombinant 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. Recombinant Human HSA produced in mammals is a single, non-glycosylated, polypeptide chain containing 585 amino acids and having a molecular mass of 66441 Dalton. The Recombinant HSA-m is purified by proprietary chromatographic techniques.

### ➤ **Physical Appearance:**

Sterile Filtered yellowish liquid formulation at a concentration of 271mg/ml.

### ➤ **Formulation:**

Each ml contains 6mg sodium chloride, pH-7.

### ➤ **Stability:**

Recombinant HSA should be stored between at temperatures below 30°C.

**NOTE: Do not freeze!**

➤ **Purity:**

Greater than 98.0% as determined by:

(a) Analysis by RP-HPLC.

(b) Anion-exchange FPLC.

(c) Analysis by reducing and non-reducing SDS-PAGE Silver Stained gel.

➤ **Dimers and aggregates:**

Less than 1% as determined by silver-stained SDS-PAGE gel analysis.

➤ **Applications:**

Formulation of Protein Therapeutics

Cell Storage: Cryopreservation

Vaccine formulation and manufacturing

Development of mammalian cell cultures

Infertility treatments

Coating for medical devices

Drug delivery

In vivo diagnostics

➤ **Endotoxin:**

Less than 0.1 ng/μg (IEU/μg) of Recombinant HSA.

➤ **Usage:**

This material is offered for research, laboratory or further manufacturing purposes.