Recombinant Human Serum Albumin (OsrHSA)
Catalog Number: HY-01

Description

Human serum albumin is the most abundant protein found in human blood plasma. It is produced in the liver. The biological functions of albumin include normalization of the colloidal osmotic blood pressure, transportation and metabolism of endogenous and exogenous molecules (e.g. fatty acids, amino acids, steroids, hormones, metals) and pharmaceutical drugs.

Advantages and applications: OsrHSA is a genetically engineered recombinant human serum albumin derived from plant based expression system (rice grain). It is a highly purified and completely animal, virus and bacteria-free product developed as an alternative to plasma-derived HSA, to which it is structurally equivalent.

OsrHSA is plant-derived, that eliminate the risk of bacterial and viral contaminations. Greater consistency of OsrHSA saves time with better performance and the ultra low price reduces downstream product cost without sacrificing the quality.

OsrHSA is suitable as a cell culture media supplement which promotes cell growth and increases recombinant protein yield. Additional uses include additive for reduced-serum or serum-free culture media and cryopreservation of cells.
OsrHSA is suitable for reference applications like electrophoresis where no other protein contaminations are desired. This is also used as blocking agents in Western blots and ELISA applications.

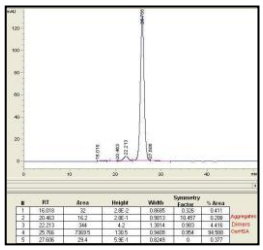
Source

Oryza sativa (rice grain)

Purity

≥ 99% by SEC-HPLC (Ref: Figure.1)

Figure.1



Physical Appearance

Off-White lyophilized powder.

Formulation

Lyophilized with no additives.

Endotoxin

< 0.005EU/μg

Reconstitution

Reconstitute in sterile distilled water or saline.

Storage and Stability

Store at 2-8°C. Aqueous aliquots stored at -20°C are stable for several months. Repeated freeze-thaw of solutions is not recommended.

Usage

This product is for research use only. It is not approved for use in humans, animals, or *in vitro* diagnostic procedures.