

Oryza Sativa Recombinant Human Serum Albumin (OSrHSA)**ORDERING INFORMATION**

Product Name	Oryza Sativa Recombinant Human Serum Albumin (OSrHSA)
Catalog No:	cAP-54
Size:	1gram, or 10gram
Storage:	2-8°C

Product Description

Human serum albumin (HSA) 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 and transportation and metabolization of endogenous and exogenous molecules (e.g. fatty acids, amino acids, steroids, hormones, metals) and pharmaceutical drugs. Oryza Sativa recombinant human serum albumin (OSrHSA) is genetically engineered and derived from a rice-based expression system. It is a highly purified and completely animal-, virus-, and bacteria-free product that was developed as an alternative to plasma-derived HSA, to which it is structurally equivalent.

Advantages and Applications

OSrHSA is plant-derived, which eliminates the risk of bacterial and viral contaminations. Additionally, the greater consistency of OSrHSA saves time while providing better performance. Finally, the low price of OSrHSA allows for a reduction in downstream product cost without sacrificing the quality. OSrHSA is suitable as a cell culture media supplement to promote cell growth and increase recombinant protein yield. It can also be used as an additive for reduced-serum or serum-free culture media and in the cryopreservation of cells. OSrHSA is also ideal for reference applications, such as electrophoresis, when protein contaminates are not desired. It can also be used as a blocking agent in Western blots and ELISA applications.

Product Specifications

Source:	Oryza sativa (rice grain)
Purity:	≥ 99% by SDS-PAGE
Physical Appearance:	Off-white lyophilized powder
Endotoxin:	< 0.005EU/μg
Product Use:	OSrHSA is for research use only. It is not approved for human or animal use, or for application in clinical or in vitro diagnostic procedures.
Storage and Stability:	Store at 2-8°C. Reconstitute in sterile water or saline. Aqueous aliquots stored at -20°C are stable for at least 6 months. Repeated freeze-thaw of solutions is not recommended.
Shipping:	Gel ice.

THESE PRODUCTS ARE FOR RESEARCH USE ONLY

Caution: Handling human and animal tissue derived products is potentially bio-hazardous. Although each cell strain is tested negative for HIV, HBV and HCV DNA, or pathogens, diagnostic tests are not necessarily 100% accurate; therefore proper precautions must be taken to avoid inadvertent exposure. Always wear gloves and safety glasses when working with these materials. Never mouth pipette. We recommend following the universal procedures for handling products of human origin as the minimum precaution against contamination.