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DATA SHEET

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1. Identification

Product name	**Recombinant Human Serum Albumin (rHSA), Yeast** 20% solution
Cat. No	CR010

2. Description

Canvax Recombinant Human Serum Albumin (rHSA) is a highly purified, **Animal-Origin-Free** (AOF) recombinant human albumin produced in *Pichia pastoris* and supplied as a **ready-to-use** 20% (200 mg/mL) liquid solution.

Canvax's rHSA provides a defined recombinant **alternative to plasma-derived human serum albumin**, combining **high purity**, **high monomer content** and a **controlled aggregate profile**. Recombinant production in *Pichia pastoris* and a defined formulation support **consistent batch-to-batch product quality**.

Recombinant HSA can provide a **protective protein environment** in sensitive biological formulations, helping to **minimize non-specific surface adsorption**, **limit aggregation** and contribute to **protection against oxidative stress** during processing, storage and handling.

Canvax's rHSA is suitable for **R&D** and **process-development applications** including cell culture and cell processing, cryopreservation, vaccine and viral vector formulation, and stabilization of recombinant proteins and antibodies.

GMP manufacturing and supporting documentation are available upon request for projects progressing toward regulated applications.

3. Product information

Expression system	*Pichia pastoris*
Molecular Weight	67 kDa (585 amino acids)
Form	Liquid, 20% solution
Protein concentration	190–210 mg/mL
Purity	≥95%
Monomer, SEC-HPLC	≥95%
High/low molecular mass species	≤5% each
pH	6.7–7.3

4. Quality control

Each batch is quality controlled for identity, protein concentration, purity, monomer and molecular mass species profile. Additional quality attributes include host cell proteins, bacterial endotoxins and sterility.

A lot-specific Certificate of Analysis is available upon request.

5. Storage specifications

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Store at 2–8 ºC. Do not freeze. Use aseptic techniques when handling the product.

6. Applications

- Cell culture and cell processing
- Cell washing and formulation buffers
- Cryopreservation media
- Vaccine formulation and stabilization
- Viral vector stabilization
- Recombinant protein and antibody formulation
- Downstream processing, filtration and storage

rHSA may also be used to help minimize non-specific surface adsorption, support formulation stability and provide a protective protein environment during processing and storage.

7. Further information

RUO This product is sold as RUO (Research Use Only), not for diagnostic or therapeutic use in humans or animals.
GMP manufacturing and supporting documentation are available upon request for projects progressing toward regulated applications.

Disclaimer The information provided in this Data Sheet is correct to the best of our knowledge and belief at the date of publication. This information is intended only as a guide and should not be taken as a warranty or quality specification. Canvax Reagents S.L.U. shall not be held liable for any damage resulting from handling or from contact with the above product.