

HumanKine® recombinant human HSA protein



Animal Component-Free

Human cell expressed

Tag-Free

Endotoxin Free

Product Description

The addition of a carrier to cytokine solutions can increase the stability and shelf-life of the protein. Recombinant Human HSA has ultra-low endotoxin levels and is ideal for use as a carrier protein. The use of bovine serum albumin is quite common for this purpose, but has the disadvantage of being of animal origin and quite frequently increases the endotoxin level of the resulting solution. HumanZyme has introduced recombinant Human Albumin expressed in engineered human cells cultured in serum-free chemically defined media.

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|--------------------|---|
| Alternative Names | ALB, albumin, HSA, Serum albumin |
| Source | Human Embryonic Kidney cells (HEK293). HEK293-derived HSA protein |
| Species Reactivity | human,mouse |

Specifications

| Test | Method | Specification |
|----------------|----------|---|
| Activity | N/A | N/A |
| Molecular Mass | SDS-PAGE | 62 kDa reduced, 53 kDa non-reduced, monomer, glycosylated |
| Purity | SDS-PAGE | >95% |
| Endotoxin | LAL | <1 EU/μg |

SDS-PAGE



| Preparation | |
|----------------------|---|
| Shipping Temperature | ambient temperature |
| Formulation | 1x PBS, See Certificate of Analysis for details |
| Reconstitution | Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein to 0.2 mg/mL in sterile 1x PBS pH 7.4. Gently swirl or tap vial to mix. |

| Stability and Storage | Product Form | Temperature Conditions | Storage Time (From Date of Receipt) |
|------------------------------------|---------------------------|------------------------|--|
| | Lyophilized | -20°C to -80°C | Until Expiry Date |
| | Lyophilized | Room Temperature | 2 weeks |
| | Reconstituted as per CofA | -20°C to -80°C | 6 months |
| | Reconstituted as per CofA | 4°C | 1 week |
| Avoid repeated freeze-thaw cycles. | | | |

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