

HumanKine® recombinant human HSA protein



Animal Component-Free

Human cell expressed

Tag-Free

Endotoxin Free

Product Description

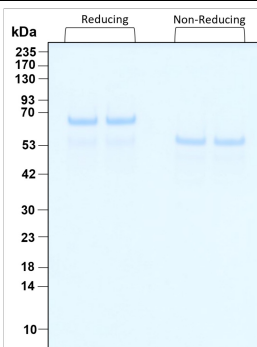
The addition of a carrier to cytokine solutions can increase the stability and shelf-life of the protein. Recombinant Human HSA has ultra-low endotoxin levels and is ideal for use as a carrier protein. The use of bovine serum albumin is quite common for this purpose, but has the disadvantage of being 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.

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

Specifications

Test	Method	Specification
Activity (EC50)	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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Proteintech Group, Inc.
5500 Pearl Street, Suite 400 Rosemont, IL 60612
t: 1-888-478-4522; f: 1-312-455-8408
Email: proteintech@ptglab.com