LEADGENE
LEADGENE BIOMEDICAL, INC.

Datasheet

Human Serum Albumin

Catalog Number	LDG002PHY
Package	1 g / Customized package

For full product information, images and publications, please visit our website.

Specifications

Species of Origin

Human

Expression System

Pichia pastoris

Affinity Tag

Tag free

Storage Buffer

Lyophilized from a 0.2 μm filtered solution of PBS, pH 8.0.

Purity

>95% as determined by SDS-PAGE analysis.

Molecular weight

The protein has a calculated MW of 66.5 kDa.
The protein migrates as 60 kDa under reducing condition (SDS-PAGE analysis).

Endotoxin Level

<0.1 EU per 1 μg of the protein by the LAL method.

Form

Lyophilized

Background

Background

Human serum albumin (HSA) is synthesized by hepatocytes and is the most abundant protein in human plasma. It serves as a carrier for transporting nutrients such as fatty acids and amino acids, while also regulating plasma pH and maintaining plasma osmotic pressure.

Synonyms

Serum Albumin, ALB, Human Albumin, Albumin, HSA

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Uniprot ID

P02768

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H_2O to a concentration not less than 200 mg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

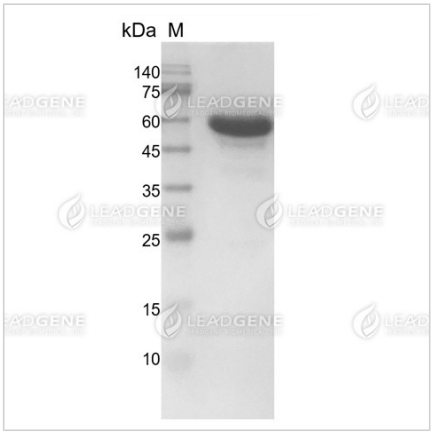
Stability & Storage

This product is stable after storage at:

- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 6-12 months under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

Image



SDS-PAGE analysis of recombinant human serum albumin.

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