

Human Serum Albumin (V418M, T420A, E505G, V547A) Protein

Cat. No. BSA-HM0M1

Description

Source	Recombinant Human Serum Albumin (V418M, T420A, E505G, V547A) Protein is expressed from HEK293 without tag. It contains Asp25-Leu609 (V418M, T420A, E505G, V547A).
Accession	P02768-1
Molecular Weight	The protein has a predicted MW of 66.37 kDa. Due to glycosylation, the protein migrates to 65-70 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

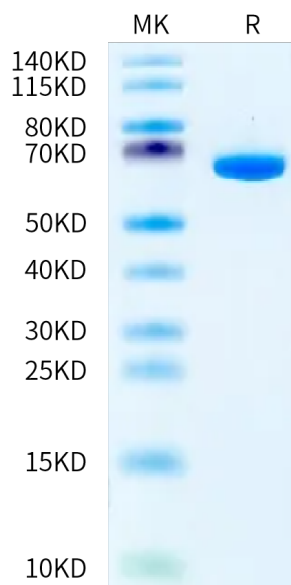
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Human serum albumin (HSA), the most prominent protein in plasma, binds different classes of ligands at multiple sites. HSA provides a depot for many compounds, affects pharmacokinetics of many drugs, holds some ligands in a strained orientation providing their metabolic modification, renders potential toxins harmless transporting them to disposal sites, accounts for most of the antioxidant capacity of human serum, and acts as a NO-carrier.

Assay Data

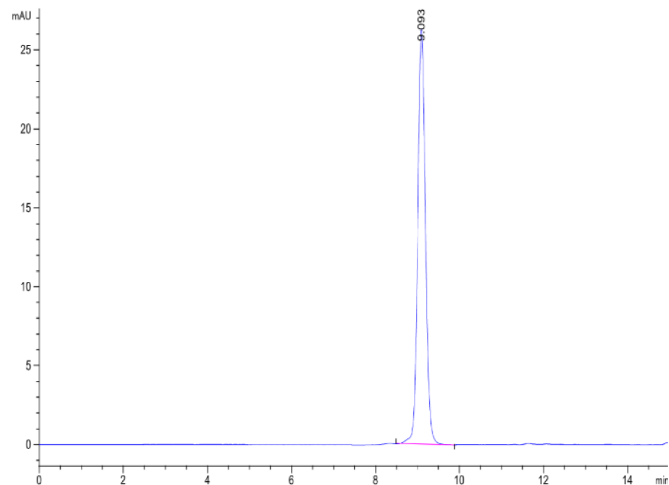
Bis-Tris PAGE



Human Serum Albumin (V418M, T420A, E505G, V547A) on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Assay Data



The purity of Human Serum Albumin (V418M, T420A, E505G, V547A) is greater than 95% as determined by SEC-HPLC.