9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

BSA

Bovine Serum Albumin
NTP0012

Product Overview

Name	BSA
Description	
Bovine Serum Albumin	
Accession (Primary)	P02769
Synonyms	
Serum albumin, ALB, BSA.	
Introduction	
Albumin is synthesized in the liver as preproalbumin which has an N-terminal peptide that is removed before the nascent protein is released from the rough endoplasmic reticulum. The product, proalbumin, is in turn cleaved in the Golgi vesicles to produce the secreted albumin. Albumin is a soluble, monomeric protein which comprises about one-half of the blood serum protein. Albumin functions primarily as a carrier protein for steroids, fatty acids, and thyroid hormones and plays a role in stabilizing extracellular fluid volume.	
Source	
Bovine Serum.	
Physical Appearance	
Lyophilized freeze dry yellowish powder.	
Stability	
Lyophilized BSA although stable at room temperature for 3 weeks, should be stored 2-8°C. Upon reconstitution BSA should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.	
Purity	
Greater than 97.0%.	
Solubility	
It is recommended to reconstitute the lyophilized BSA in sterile 18MΩ-cm H2O for 20 minutes at room temperature and at a concentration no greater than 200mg/ml.	
References	
Title: Human heat shock protein 70 enhances tumor antigen presentation through complex formation and intracellular antigen delivery without innate immune signaling Publications: Journal of Biological Chemistry 282.43 (2007): 31688-31702. Link: BSA prospec publication	

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Precautions

BSA is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P02769)