

32-3352: BSA

Uniprot ID : P02769

Alternative Name : Serum albumin,ALB,BSA.

Description

Source : Bovine Serum. 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.

Product Info

Amount : 50 gr

Purification : Greater than 97.0%.

Content : Contains 583 amino acid residues derived from the prototypical bovine serum albumin sequence. Suitable for use as a biochemical, excipient (an inert substance used as a diluent or vehicle for a protein), in culture media and chromatographic applications. Mammalian Expression system. 67kDa protein

Storage condition : Lyophilized BSA although stable at room temperature for 3 weeks, should be stored desiccated below -18°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.

Amino Acid : DTHKSEIAHR FKDLGEEHFK GLVLIQFSQY LQQCPFDEHV KLVNELTEFA KTCVADESHA GCEKSLHTLF GDELCKVASL RETYGDMA DC CEKQEPERNE CFLSHKDDSP DLPKLPDPN TLCDEFKADE KKFVWGKLYE IARRHPYFYA PELLYYANKY NGVFQECQQA EDKGACLLPK IETMREKVLA SSARQLRCA SIQKFGERAL KAWSVARLSQ KFPKAEFVEV TKLVTDLTKV HKECCHGDLLE CADDRADLA KYICDNQDTI SSKLKECCDK PLLEKSHCIA EVEKDAIPEN LPPLTADFAE DKDVCKNYQE AKDAFLGSFL YEYSRRHPEY AVSVLLRLAK EYEATLEECC AKDDPHACYS TVFDKLLHLV DEPQNLIKQN CDQFEKLGEY GFQNALIVRY TRKVPQVSTP TLVEVSRSLG KVGTRCCTKP ESERMPCTED YLSLILNRLC VLHEKTPVSE KVTCCCTESL VNRRPCFSAL TPDETYVPKA FDEKLFTFHA DICTLPDTEK QIKKQTALVE LLKHKPKATE EQLKTVMENF VAFVDKCCAA DDKEACFAVE GPKLVVSTQT ALA

Application Note

It is recommended to reconstitute the lyophilized BSA in sterile 18MΩ H₂O for 20 minutes at room temperature and at a concentration no greater than 200mg/ml.

