

Serum albumin Recombinant Protein | ALB recombinant protein

Recombinant Dog Serum albumin

CATALOG # AAA113308	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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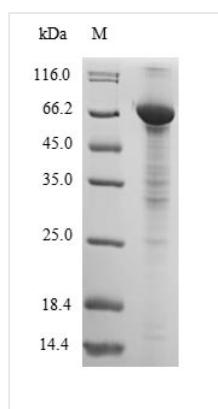
PRODUCT SYNONYMS

Serum albumin; Recombinant Dog Serum albumin; Allergen: Can f 3; ALB recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	25-608. Full length of the mature protein.
Sequence	EAYKSEIAHR YNDLGEEHFR GLVLVAFSQY LQQCPFEDHV KLAKEVTEFA KACAAEESGA NCDKSLHTLF GDKLCTVASL RDKYGDMA DC CEKQEPDRNE CFLAHKDDNP GFPPPLVAPEP DALCAAFQDN EQLFLGKYLY EIARRHPYFY APELLYYAQY YKGVFAECCQ AADKAACLGK KIEALREKVL LSSAKERFKC ASLQKFGDRA FKAWSVARLS QRFPAKADFAE ISKVVTDLTK VHKECCHGDL LECADDRADL AKYMCENQDS ISTKLKECCD KPVLEKSQCL AEVERDELPG DLPSLAADFV EDKEVCKNYQ EAKDVFLGTF LYEYARRHPE YSVSLLRLA KEYEATLEKC CATDDPPTCY AKVLDEFKPL VDEPQNLVKT NCELFEKLGE YGFQNALLVR YTKKAPQVST PTLVEVSRKL GKVGTKCCKK PESERMSCAE DFLSVVLNRL CVLHEKTPVS ERVTKCCSES LVNRRPCFSG LEVDETYVPK EFNAETFTFH ADLCTLPEAE KQVKKQTALV ELLKHKPKAT DEQLKTMVMD FGAFVEKCCA AENKEGCFSE EGPKLVAQAQ AALV
Sequence Length	608
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for ALB recombinant protein

Serum albumin, the main protein of plasma, has a good binding capacity for water, Ca²⁺, Na⁺, K⁺, fatty acids, hormones, bilirubin and drugs. Its main function is the regulation of the colloidal osmotic pressure of blood. Major zinc transporter in plasma, typically binds about 80% of all plasma zinc.

Product Categories/Family for ALB recombinant protein	Cardiovascular
References	Hilger C. Escherichia coli expression and purification of recombinant dog albumin, a cross-reactive animal allergen.Pandjaitan B., Swoboda I., Brandejsky-Pichler F., Rumpold H., Valenta R., Spitzauer S.J. Allergy Clin. Immunol. 105:279-285(2000) Isolation of a cDNA encoding canine serum albumin.Miyake M., Okazaki M., Iwabuchi S. Isolation, amino acid sequence and copper(II) -binding properties of peptide (1-24) of dog serum albumin.Dixon J.W., Sarkar B.J. Biol. Chem. 249:5872-5877(1974) HSC-2DPAGE and the two-dimensional gel electrophoresis database of dog heart proteins.Dunn M.J., Corbett J.M., Wheeler C.H.Electrophoresis 18:2795-2802(1997) Molecular characterization of dog albumin as a cross-reactive allergen.Spitzauer S., Schweiger C., Sperr W.R., Pandjaitan B., Valent P., Muehl S., Ebner C., Scheiner O., Kraft D., Rumpold H.J. Allergy Clin. Immunol. 93:614-627(1994)

NCBI AND UNIPROT INFORMATION

NCBI GI #	55742764
NCBI GeneID	403550
NCBI Accession #	NP_001003026.1
NCBI GenBank Nucleotide #	NM_001003026.1
UniProt Accession #	P49822; O77705; Q9TSZ4
Molecular Weight	67.7 kDa
NCBI Official Full Name	serum albumin
NCBI Official Symbol	ALB
NCBI Official Synonym Symbols	CSA
NCBI Protein Information	serum albumin
UniProt Protein Name	Serum albumin
UniProt Gene Name	ALB
UniProt Entry Name	ALBU_CANLF

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.