

Recombinant Dog ALB Protein (25-608 aa), His-tagged

Cat. No. ALB-323D **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Dog ALB Protein (25-608 aa) is produced by E. coli expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Cardiovascular. Protein Description: Full Length of Mature Protein.
Species	Dog
Source	E.coli
ProteinLength	25-608 aa
Description	Serum albumin, the main protein of plasma, has a good binding capacity for water, Ca ²⁺ , 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.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	69.7 kDa
AA Sequence	EAYKSEIAHRYNDLGEEHFRGLVLVAFSQYLQQCPFEDHVKLAKEVTEFAKACAAEE SGANCDKSLHTLFGDKLCTVASLRDKYGDMADCCEKQEPDRNECFLAHKDDNPGF PPLVAPEPDALCAAFQDNEQLFLGKLYEIARRHPYFYAPELLYYAQQYKGVFAECC QAADKAACLGPKIEALREKVLLSSAKERFKCASLQKFGDRAFKAWSVARLSQRFPK ADFAEISKVVTDLTKEVHKECCHGDLLECADDRADLAKYMCENQDSISTKLKECCDKP VLEKSQCLAEVERDELPGDLPSLAADFVEDKEVCKNYQEAKDVFLGTFLYEYARRH

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PEYSVSLLLRLAKEYEATLEKCCATDDPPTCYAKVLDEFKPLVDEPQNLVKTNCELF
EKLGEYGFQNALLVRYTKKAPQVSTPTLVEVSRKLGKVGTKCCKKPESERMSCAED
FLSVVLNRLCVLHEKTPVSEKVTCCSESLVNRPCFSGLEVDETYVPKEFNAETFT
FHADLCTLPEAEKQVKKQTALVELLKHKPKATDEQLKTMGDFGAFVEKCCAAENK
EGCFSEEGPKLVAAAQAALV

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with concentration instruction is sent along with the products.

GENE INFORMATION

Gene Name ALB albumin [*Canis lupus familiaris*]

Official Symbol ALB

Synonyms ALB; albumin; serum albumin; CSA;

Gene ID 403550

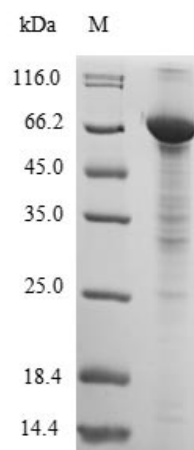
mRNA Refseq NM_001003026

Protein Refseq NP_001003026

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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