

Recombinant human albumin/ALB protein

Catalog Number: ATGP3081

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

19-609aa

UniProt No.

P02768

NCBI Accession No.

NP_000468.1

Alternative Names

Serum albumin, PRO0883, PRO0903, PRO1341

PRODUCT SPECIFICATION

Molecular Weight

68 kDa (597aa)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 90% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

ALB, also known as Serum albumin, is the most abundant protein in human blood plasma. This protein constitutes about half of the blood serum protein. It is soluble and monomeric. Albumin transports hormones, fatty acids, and other compounds, buffers pH, and maintains osmotic pressure, among other functions. Albumin is synthesized in the liver as preproalbumin, which has an N-terminal peptide that is removed before the nascent

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protein is released from the rough endoplasmic reticulum. Recombinant human ALB, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

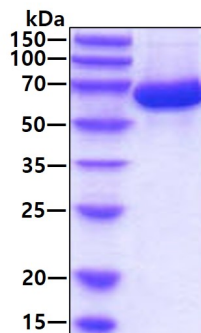
RGVFRRDAHK SEVAHRFKDL GEENFKALVL IAFAYLQQC PFEDHVKLVN EVTEFAKTCV ADESAENCDK SLHTLFGDKL
CTVATLRETY GEMADCCAKQ EPERNECFLQ HKDDNPNLPR LVRPEVDVMC TAFHDNEETF LKKYLYEIAR RHPYFYAPEL
LFFAKRYKAA FTECCQAADK AACLLPKLDE LRDEGKASSA KQRLKCASLQ KFGERAFKAW AVARLSQRFP KAFAEVSKL
VTDLTKVHTE CCHGDLLECA DDRADLAKYI CENQDSISSK LKECCEKPLL EKSHCIAEVE NDEMPADLPS LAADFVESKD
VCKNYAEAKD VFLGMFLYFY ARRHPDYSVV LLLRLAKTYE TTLEKCCAAA DPHECYAKVF DEFKPLVEEP QNLIKQNCLE
FEQLGEYKFK NALLVRYTKK VPQVSTPTLV EVSRNLGKVG SKCCKHPEAK RMPCAEDYLS VVLNQLCVLH EKTPVSDRVT
KCCTESLVNR RPCFSALEVD ETYVPKEFNA ETFTFHADIC TLSEKERQIK QQTALVELVK HKPKATKEQL KAVMDDFAAF
VEKCKKADDK ETCFAEEGKK LVAASQAALG L<HHHHHH>

General References

Marashi SA. et al. (2005) Med Hypotheses. 64(4):881.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain