# NKMAXBIO We support you, we believe in your research

## 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



# NKMAXBio We support you, we believe in your research

## Recombinant human albumin/ALB protein

Catalog Number: ATGP3081

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**

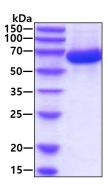
RGVFRRDAHK SEVAHRFKDL GEENFKALVL IAFAQYLQQC PFEDHVKLVN EVTEFAKTCV ADESAENCDK SLHTLFGDKL CTVATLRETY GEMADCCAKQ EPERNECFLQ HKDDNPNLPR LVRPEVDVMC TAFHDNEETF LKKYLYEIAR RHPYFYAPEL LFFAKRYKAA FTECCQAADK AACLLPKLDE LRDEGKASSA KQRLKCASLQ KFGERAFKAW AVARLSQRFP KAEFAEVSKL VTDLTKVHTE CCHGDLLECA DDRADLAKYI CENQDSISSK LKECCEKPLL EKSHCIAEVE NDEMPADLPS LAADFVESKD VCKNYAEAKD VFLGMFLYEY ARRHPDYSVV LLLRLAKTYE TTLEKCCAAA DPHECYAKVF DEFKPLVEEP QNLIKQNCEL FEQLGEYKFQ NALLVRYTKK VPQVSTPTLV EVSRNLGKVG SKCCKHPEAK RMPCAEDYLS VVLNQLCVLH EKTPVSDRVT KCCTESLVNR RPCFSALEVD ETYVPKEFNA ETFTFHADIC TLSEKERQIK KQTALVELVK HKPKATKEQL KAVMDDFAAF VEKCCKADDK ETCFAEEGKK LVAASQAALG L<\*\*HHHHHHH>

#### **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

