

Recombinant Human ALB Protein, GST-tagged

Cat. No. ALB-432H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ALB full-length ORF (AAH34023, 19 a.a. - 609 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene encodes the most abundant protein in human blood. This protein functions in the regulation of blood plasma colloid osmotic pressure and acts as a carrier protein for a wide range of endogenous molecules including hormones, fatty acids, and metabolites, as well as exogenous drugs. Additionally, this protein exhibits an esterase-like activity with broad substrate specificity. The encoded preproprotein is proteolytically processed to generate the mature protein. A peptide derived from this protein, EPI-X4, is an endogenous inhibitor of the CXCR4 chemokine receptor. [provided by RefSeq, Jul 2016]
Molecular Mass	90.75 kDa
AA Sequence	RGVFRRDAHKSEVAHRFKDLGEENFKALVLIAFAQYLQQCPFEDHVKLVNEVTEFAK TCVADESAENCCKSLHTLFGDKLCTVATLRETYGEMADCCAKQEPERNECFLQHKD DNPNLRLVRPEVDVMCTAFHDNEETFLKKYLYEIARRHPYFYAPELLFFAKRYKAA FTECCQAADKAACLLPKLDELRLDEGKASSAKQRLKCASLQKFGERAFKAWAVARLS QRFPKAEFAEVSKLVTDLTQVHTECCCHGDLLECADDRADLAKYICENQDSISSKLKE CCEKPLLEKSHCIAEVENDEMPADLP SLAADFVESKDVCKNYAEAKDVFLGMFLYEY

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ARRHPDYSVLLLLRLAKTYETTLEKCCAAADPHECYAKVFDEFKPLVEEPQNLIKQN
 CELFEQLGEYKFQNALLVRYTKKVPQVSTPTLVEVSRNLGKVGSKCKKHPEAKRMP
 CAEDYLSVVLNQLCVLHEKTPVSDRVTKCCTESLVNRRPCFSALEVDETYVPKEFNA
 ETFTFHADICTLSEKERQIKKQTALVELVKHKPKATKEQLKAVMDDFAAFVEKCKKAD
 DKETCFAEGGKKLVAASQAALGL

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
 Antibody Production; Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

ALB albumin [Homo sapiens]

Official Symbol

ALB

Synonyms

ALB; albumin; serum albumin; albumin (32 AA); albumin (AA 34); growth-inhibiting
 protein 20; cell growth inhibiting protein 42; PRO0883; PRO0903; PRO1341;
 DKFZp779N1935;

Gene ID

213

mRNA Refseq

NM_000477

Protein Refseq

NP_000468

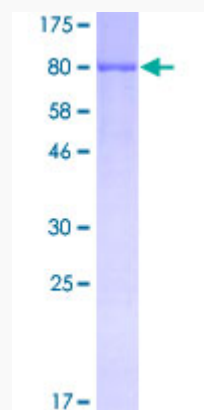
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MIM 103600

UniProt ID P02768



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