

Native Human ALB Protein, GMP Grade

Product Information

Cat#

ALB-118THP

Common Name

ALB

Product Name

Native Human ALB Protein, GMP Grade

Product Overview

Native Human ALB Protein was purified from Human blood and was produced in an animal component free process under cGMP guidelines.

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.

Source

Human blood

Species

Human

Bio-activity

1000 IU/ml

Molecular Mass

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66472.2 Da

AA Sequence

MKWVTFISLLFLFSSAYSRGVFRRDAHKSEVAHRFKDLGEENFKALVLIAFAQYLQQCPFEDHVKLNVNEVTEFAK
TCVADESAENCDKSLHTLFGDKLCTVATLRETYGEMADCCAKQEPERNECFLQHKDDNPNLRLVLRPEVDV
MCTAFHDNEETFLKKYLYEIAARRHPYFYAPELLFFAKRYKAAFTECCQAADKAAACLLPKLDELDEGKASSAKQ
RLKCASLQKFGERAFAKAWAVARLSQRFPKAEFAEVSKLVTDLTQVHTECCHGDLLECADDRADLAKYICENQ
DSISSKLKECCEKPLLEKSHCIAEVENDEMPADLPSLAADFVESKDVCKNYAEAKDVFLGMFLYEYARRHPDYS
VVLLLRLAKTYETLEKCCAAADPHECYAKVFDEFKPLVEEPQNLIKQNCLEFQLGEYKFQNALLVRYTKKVP
QVSTPTLVEVSRNLGKVGSKCCKHPEAKRMPCAEDYLSVVLNQLCVLHEKTPVSDRVTKCCTESLVNRRPCFS
ALEVDETYVPKEFNAETFTFHADICTLSEKERQIKKQTALVELVKHKPKATKEQLKAVMDDFAAFVEKCKKADD
KETCFAEEGKKLVAASQAALGL

Endotoxin

<0.001 EU/μg by the LAL method

Applications

Albuminex solution is indicated for adults and children for hypovolemia, ascites, hypoalbuminemia including from burns, acute nephrosis, acute respiratory distress syndrome and cardipulmonary bypass.

Usage

Hypovolemia, ascites, hypoalbuminemia

Storage

Store at 2-8 centigrade

Gene Name

[ALB albumin \[Homo sapiens \(human\) \]](#)

Official Symbol

[ALB](#)

Synonyms

Native Human ALB Protein, GMP Grade

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

GeneID

[213](#)

mRNA Refseq

[NM_000477](#)

Protein Refseq

[NP_000468](#)

UniProt ID

[P02768](#)
