

Recombinant Human ALB Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. ALB-038H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ALB MS Standard C13 and N15-labeled recombinant protein (NP_000468) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	69.37 kDa
AA Sequence	MKWVTFISLLFLFSSAYSRGVFRDDAHKSEVAHRFKDLGEENFKALVLIAFAQYLQQ CPFEDHVKLVNEVTEFAKTCVADESAENCDKSLHTLFGDKLCTVATLRETYGEMAD CCAKQEPERNECFLQHKDDNPNLRLVRPEVDVMCTAFHDNEETFLKKYLYEIARR HPYFYAPELLFFAKRYKAAFTECCQAADKAACLLPKLDELRLDEGKASSAKQRLKCAS LQKFGERAFAKAWAVARLSQRFPKAEFAEVSKLVTDLTQVHTECCHGDLLECADDRA DLAKYICENQDSISSKLKECCEKPLLEKSHCIAEVENDEMPADLP SLAADFVESKDVC

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KNYAEAKDVFLGMFLYEYARRHPDYSVLLRLAKTYETTLKCCAAADPHECYAKV
FDEFKPLVEEPQNLIKQNCLEFEQLGEYKFQNALLVRYTKKVPQVSTPTLVEVSRNL
GKVGSKCKKHPEAKRMPCAEDYLSVVLNQLCVLHEKTPVSDRVTKCCTESLVNRRP
CFSALEVDETYVPKEFNAETFTFHADICTLSEKERQIKKQTALVELVKHKPKATKEQL
KAVMDDFAAFVEKCKKADDKETCFAEEGKKLVAASQAALGLTRTRPLEQKLISEEDL
AANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name ALB albumin [Homo sapiens (human)]

Official Symbol ALB

Synonyms ALB; albumin; HSA; PRO0883; PRO0903; PRO1341; albumin; serum albumin

Gene ID 213

mRNA Refseq NM_000477

Protein Refseq NP_000468

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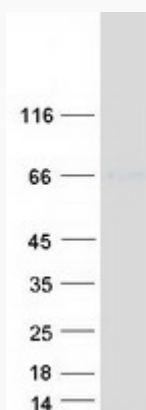
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MIM 103600

UniProt ID P02768

SDS-PAGE



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