

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

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

## SPECIFICATION

<b>Product Overview</b>	ALB MS Standard C13 and N15-labeled recombinant protein (NP_000468) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	69.37 kDa
<b>AA Sequence</b>	MKWVTFISLLFLFSSAYSARGVFRDAHKSEVAHRFKDLGEEFNFKALVLIAFAQYLQQ CPFEDHVKLVNEVTEFAKTCVADESAENCDKSLHTLFGDKLCTVATLRETYGEMAD CCAKQEPERNECFLQHKDDNPNLPRLVPEVDVMCTAFHDNEETFLKKYLYEIARR HPYFYAPELFFAKRYKAAFTECCQAADKAACLLPKLDELDEGKASSAKQRLKCAS LQKFGERAFAKAWAVARLSQRFPKAEFAEVSKLVTDLTKVHTECCHGDLLECADDRA DLAKYICENQDSISSKLKECCEKPLLEKSHCIAEVENDEMPADLPSLAADFVESKDVC

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KNYAEAKDVFLGMFLYEYARRHPDYSVLLLRRLAKTYETTLEKCCAAADPHECYAKV  
 FDEFKPLVEEPQNLKQNCLEFEQLGEYKFQNALLVRYTKKVPQVSTPTLVEVSRNL  
 GKVGSKCKKHPEAKRMPCAEDYLSVVLNQLCVLHEKTPVSDRVTKCCTESLVNRRP  
 CFSALEVDETYVPKEFNAETFTFHADICTLSEKERQIKKQTALVELVKHKPKATKEQL  
 KAVMDDFAAFVEKCKKADDKETCFAEEGKKLVAASQAALGLTRTRPLEQKLISEEDL  
 AANDILDYKDDDDKV

<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>Storage</b>	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
<b>Concentration</b>	50 µg/mL as determined by BCA
<b>Storage Buffer</b>	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

<b>Gene Name</b>	ALB albumin [ Homo sapiens (human) ]
<b>Official Symbol</b>	ALB
<b>Synonyms</b>	ALB; albumin; HSA; PRO0883; PRO0903; PRO1341; albumin; serum albumin
<b>Gene ID</b>	213
<b>mRNA Refseq</b>	NM_000477
<b>Protein Refseq</b>	NP_000468

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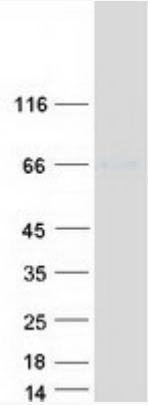
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**MIM** 103600

**UniProt ID** P02768

**SDS-PAGE**



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66 —  
45 —  
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