

Recombinant Full Length Human ALB Protein, C-Flag-tagged

Cat. No. ALB-872HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human ALB Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	67.2 kDa
AA Sequence	MKWVTFISLLFLFSSAYS SRGVFRRDAHKSEVAHRFKDLGEENFKALVLIAFAQYLQQ CPFEDHVKLVNEV TEF AKTCVADESAENCDKSLHTLFGDKLCTVATLRETYGEMAD CCAKQEPERNECFLQHKDDNPNL PRLV RPEVDVMCTAFHDNEETFLKKYLYEIARR HPYFYAPELLFFAKRYKAAFT ECCQAADKAAACLLPKLDEL R DEGKASSAKQRLKCA SLQKFGERAFKAWAVARLSQRFPKAEFAEVSKLVTDLT KVHTECCHGDLLECADD R ADLAKYICENQDSISSKLKECCEKPLLEKSHCIAEVENDEMPADLPSLAADFVESKDV

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CKNYAEAKDVF LGMFLYEYARRHPDYSVLLLLRLAKTYETTLEKCCAAADPHECYA
 KVDFEFKPLVEEPQNLKQNCLEFE QLGEYKFQNALLVRYTKKVPQVSTPTLVEVSR
 NLGKVGSKCCKHPEAKRMPCAEDYLSVVLNQLCVLHEK TPVSDRVTKCCTESLVN
 RRPCFSALEVDETYVPKEFNAETFTFHADICTLSEKERQIKKQTALVELVKHK
 PKATKEQLKAVMDDFAAFVEKCKADDKETCFAEEGKKLVAASQAALGLTRTRPLE
 QKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Secreted Protein
Full Length	Full L.

GENE INFORMATION

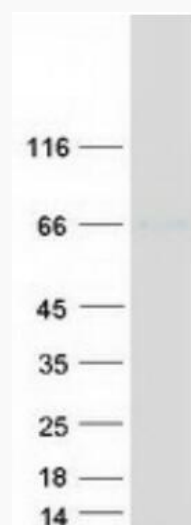
Gene Name	ALB albumin [Homo sapiens (human)]
Official Symbol	ALB
Synonyms	HSA; FDAHT; PRO0883; PRO0903; PRO1341

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Gene ID	213
mRNA Refseq	NM_000477.7
Protein Refseq	NP_000468.1
MIM	103600
UniProt ID	P02768



Coomassie blue staining of purified ALB protein.