

Recombinant Human ALB Protein

Cat. No. ALB-778H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human ALB protein without tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	609
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	Lyophilized
Molecular Mass	67.3 kDa
AA Sequence	MKWVTFISLLFLFSSAYSIRGVFRRDAHKSEVAHRFKDLGEEFNFKALVLIAFAQYLQQ CPFEDHVKLVNEVTEFAKTCVADESAENCDSLHTLFGDKLCTVATLRETYGEMAD CCAKQEPERNECFLQHKDDNPPLRVLVRPEVDVMCTAFHDNEETFLKKLYEIRR HPYFYAPELLFFAKRYKAAFTECCQAADKAAACLLPKLDEL RDEGKASSAKQRLKAS LQKFGERAFAKAWAVARLSQRFPKAEFAEVSKLVTDLTKVHTECCHGDLLECADDRA

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DLAKYICENQDSISSKLKECCEKPLLEKSHCIAEVENDEMPADLPSLAADFVESKDVC
 KNYAEAKDVFLGMFLYEYARRHPDYSVLLLR LAKTYETTLEKCCAAADPHECYAKV
 FDEFKPLVEEPQNLIKQNCLEFEQLGEYKFQNALLVRYTKKVPQVSTPTLVEVSRNL
 GKVGSKCCKHPEAKRMPCAEDYLSVVLNQLCVLHEKTPVSDRVTKCCTESLVNRRP
 CFSALEVDETYVPKEFNAETFTFHADICTLSEKERQIKKQTALVELVKHKPKATKEQL
 KAVMDDFAAFVEKCKADDKETCFAEEGKKLVAASQAALGL

Purity > 98%

Applications WB; ELISA; FACS; FC

Stability This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.

Storage At -20 centigrade.

Concentration 1 mg/mL

Storage Buffer PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

Reconstitution Reconstitute in sterile distilled H₂O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

Gene Name ALB albumin [Homo sapiens (human)]

Official Symbol ALB

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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
MIM	103600
UniProt ID	P02768

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