

Recombinant Human ALB Protein, N15 labeled

Cat. No. ALB-001H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	N15 incorporated Recombinant Human Serum Albumin containing 584 amino acid residues derived from the prototypical human serum albumin sequence with a single deletion of the N-terminal residue (Asp) was produced in yeast (<i>Pichia pastoris</i>). Grade: Albagen Ultrapure (N15 Isotope)
Species	Human
Source	Yeast
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	Light yellow liquid
Molecular Mass	MW N14-66,357 Dalton
Purity	>98% recombinant protein as determined by SDS Gel Electrophoresis. High monomer content. N15 Incorporation: >98%.
Notes	FOR RESEARCH ONLY

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Storage	Store at 2-8 centigrade.
Storage Buffer	In Phosphate Buffered Saline Containing 4 mM Sodium Caprylate and 4 mM Acetyltryptophan.
GENE INFORMATION	
Gene Name	ALB
Official Symbol	ALB albumin [Homo sapiens (human)]
Synonyms	ALB; albumin; HSA; PRO0883; PRO0903; PRO1341; serum albumin; EC 6.1.1.16
Gene ID	213
mRNA Refseq	NM_000477
Protein Refseq	NP_000468
MIM	103600
UniProt ID	P02768

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