

Serum Albumin

Cat. No. CBCRY36 **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Source	E.coli
Background	3"-Azido-3"-deoxythymidine (AZT) is the first clinically effective drug for the treatment of human immunodeficiency virus infection. The drug interaction with human serum albumin (HSA) has been an important component in understanding its mechanism of action, especially in drug distribution and in drug-drug interaction on HSA in the case of multi-drug therapy.
Protein Classification	Lipid binding protein
Structure Weight	68485.53 Da
Polymer	1
Molecule	Serum albumin
Chain Length	585 amino acids
PDB ID	3B9M
MMDB ID	64671
Method	X-Ray Diffraction

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Resolution	2.70Å
Ligand Chemical Component	AZZ; Myristic acid; 2-hydroxybenzoic acid
Reference	Zhu, L., Yang, F., Chen, L., Meehan, E.J., Huang, M. (2008) A new drug binding subsite on human serum albumin and drug-drug interaction studied by X-ray crystallography J.Struct.Biol. 162: 40-49
GENE INFORMATION	
Gene Name	ALB
Synonyms	DKFZp779N1935; PRO0883; PRO0903; PRO1341; cell growth inhibiting protein 42; growth-inhibiting protein 20; serum albumin
UniProt ID	P02768
Gene ID	213
Chromosome Location	4q11-q13
Function	DNA binding; fatty acid binding; copper ion binding; protein binding; drug binding; lipid binding; toxin binding; antioxidant activity; oxygen binding; pyridoxal phosphate binding; metal ion binding

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