

Active Albumin from chicken egg white

Cat. No. ALB-116C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Solubility: H ₂ O: soluble 50 mg/mL. CAS Number: 9006-59-1. Extinction coefficient: E1% = 6.9 to 7.6 (280 nm) ¹ . pI: 4.54 (4.43-4.66) ² ; 4.93
Species	Chicken
Source	Chicken egg white
Description	Chicken egg albumin is the major protein constituent of egg whites. Chicken egg albumin is a phosphorylated-glycoprotein. From the amino acid sequence, the peptide portion of the molecule consists of 385 residues and has a molecular weight of 42.7 kDa.
Form	Powder
Bio-activity	Differential scanning calorimetry indicates that the chicken egg albumin denatures at 84 centigrade. Ovalbumin can be used as a carrier protein to conjugate to synthetic peptides for use as an immunogen.
Molecular Mass	42.7 kDa
Purity	62-88 % (agarose gel electrophoresis)
Applications	A phosphorylated glycoprotein which is useful as a marker (45 kDa) for protein electrophoresis. Has been used to produce an animal model of asthma. Ovalbumin can be used as a carrier protein to conjugate to synthetic peptides for use as an

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immunogen. It has the following amino acids: 20 Lys, 10 Tyr, 6 Cys, 14 Asp, and 33 Glu which make it suitable for conjugation.

Notes	For Laboratory Use Only. Not for drug, household or other uses.
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Storage	Storage at 2-8 centigrade.
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GENE INFORMATION

Synonyms	Albumin from hen egg white; Ovalbumin
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