



# Recombinant Rat Serum albumin (Alb)

<b>Product Code</b>	CSB-BP001561RA
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P02770
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	EAHKSE IAHRFKDLGE QHFKGLVLIA FSQYLQKCPY EEHIKLVQEV TDFAKTCVAD ENAENCCKSI HTLFGDKLCA IPKLRDNYGE LADCCAKQEP ERNECFLQHK DDNPNLPPFQ RPEAEAMCTS FQENPTSFLG HYLHEVARRH PYFYAPELLY YAEKYNEVLT QCCTESDKAA CLTPKLDVAVK EKALVAAVRQ RMKCSSMQRG GERAFAKAWAV ARMSQRFPNA EFAEITKLAT DVTKINKECC HGDLLCADD RAELAKYMCE NQATISSKLQ ACCDKPVLQK SQCLAEIEHD NIPADLPSIA ADFVEDKEVC KNYAEAKDVF LGTFLYEYSR RHPDYSVSL LRLAKKYEAT LEKCCAEGDP PACYGTVLAE FQPLVEEPKN LVKTNCELYE KLGEYGFQNA VLVRYTQKAP QVSTPTLVEA ARNLGRVGTK CCTLPEAQRL PCVEDYLSAI LNRLCVLHEK TPVSEKVTKC CSGSLVERRP CFSALTVD YVPKEFKAET FTFHSDICTL PDKEKQIKKQ TALAELVKHK PKATEDQLKT VMGDFAQFVD KCCKAADKDN CFATEGPNLV ARSKEALA
<b>Source</b>	Baculovirus
<b>Target Names</b>	Alb
<b>Protein Names</b>	Recommended name: Serum albumin
<b>Expression Region</b>	25-608
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	Albumin is a soluble, monomeric protein which comprises about one-half of the blood serum protein. Albumin functions primarily as a carrier protein for steroids, fatty acids, and thyroid hormones and plays a role in stabilizing extracellular fluid volume. Albumin is a globular unglycosylated serum protein of molecular weight 65,000. Albumin is synthesized in the liver as preproalbumin which has an N-terminal peptide that is removed before the nascent protein is released from the rough endoplasmic reticulum. The product, proalbumin, is in turn cleaved in the Golgi vesicles to produce the secreted albumin.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.



## Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.