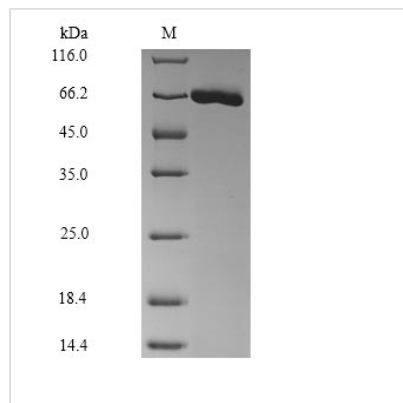




Recombinant Mouse Albumin (Alb)

Product Code	CSB-BP001561MO
Relevance	Serum albumin, the main protein of plasma, has a good binding capacity for water, Ca ²⁺ , Na ⁺ , K ⁺ , fatty acids, hormones, bilirubin and drugs. Its main function is the regulation of the colloidal osmotic pressure of blood. Major zinc transporter in plasma, typically binds about 80% of all plasma zinc.
Abbreviation	Recombinant Mouse Alb protein
Storage	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.
Uniprot No.	P07724
Storage Buffer	Tris-based buffer, 50% glycerol
Product Type	Recombinant Proteins
Immunogen Species	Mus musculus (Mouse)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	EAHKSEIAHRYNDLGEQHFVKGLVLIAFSQQYLQKCSYDEHAKLVQEVTDFAKTC VADESAANCDKSLHTLFGDKLCAIPNLRENYGELADCCTKQEPERNECFLQHK DDNPSLPPFERPEAEAMCTSFKENPTTFMGHYLHEVARRHPYFYAPELLYYAE QYNEILTQCCAADKESCLTPKLDGVKEKALVSSVRQRMKCSSMQKFGERAF KAWAVARLSQTFPNADFAEITKLATDLTKVNKECCHGDLLECADDRAELAKYM CENQATISSKLQTCCDKPLLKKAHCLSEVEHDTMPADLPAIAADFVEDQEVCK NYAEAKDVFLGTFLYEYSRRHPDYSVSLLLRLAKKYEATLEKCCAEANPPACY GTVLAEFQPLVEEPKKNLVKTNCDLYEKLGEYGFQNAILVRYTQKAPQVSTPTLV EAARNLGRVGTCKCCTLPEDQRLPCVEDYLSAILNRVCLLHEKTPVSEHVTGCC SGSLVERRPCFSALTVDETYVPKEFKAETFTFHSDICTLPEKEKQIKKQTALAE VKHKPKATAEQLKTVMDFAQFLDTCKAADKDTCTFSTEGPNLVTRCKDALA
Research Area	Cardiovascular
Source	Baculovirus
Target Names	Alb
Protein Names	Recommended name: Serum albumin
Expression Region	25-608aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	C-terminal 9xHis-tagged
Mol. Weight	67.9 kDa
Protein Length	Full Length of Mature Protein
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

The gene encoding the Mouse Alb protein (25-608aa) is inserted into a plasmid vector to form the recombinant plasmid, which is introduced into baculovirus cells. baculovirus cells that have successfully taken up the recombinant plasmid can be selected based on their ability to survive in the presence of a specific antibiotic. The recombinant plasmid-containing baculovirus cells are cultured under conditions that promote the expression of the interested gene. The protein is fused with a C-terminal 9xHis tag. After expression, the recombinant Mouse Alb protein is isolated and purified from the cell lysate through affinity purification. The resulting recombinant Mouse Alb protein is resolved by denaturing SDS-PAGE, allowing its purity to be estimated, greater than 85%.

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.