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Produktinformation



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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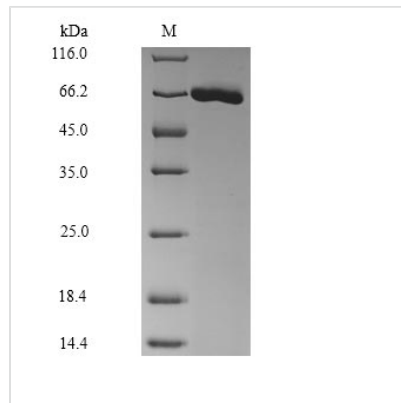
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Recombinant Mouse Serum albumin (Alb)

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.
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
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	EAHKSEIAHRYNDLGEQHFQGLVLIASFQYLQKCSYDEHAKLVQEVTDFAKTC VADESAANCDKSLHTLFGDKLCAIPNLRENYGELADCCTKQEPERNECFLQHK DDNPSLPPFERPEAEAMCTSFKENPTTFMGHYLHEVARRHYPFYAPELLYYAE QYNEILTQCCA EADKESCLTPKLDGVKEKALVSSVRQRMKCSSMQKFGERA KAWAVARLSQTFPNADFAEITKLATDLTKVNKECCHGDLLECADDRAELAKYM CENQATISSKLQTCCKDLLKKAHCLSEVEHDTMPADLPAIAADFVEDQEVCK NYAEAKDVFLGTFLYEYSRRHPDYSVSLLLRLAKKYEATLEKCCAEANPPACY GTVLAEFQPLVEEPKNLVKTNCDLYEKLGEYGFQNAIVRYTQKAPQVSTPTLV EAARNLGRVGTKCCTLPEDQRLPCVEDYLSAILNRVCLLHEKTPVSEHVTGCC SGSLVERRPCFSALTVDETYVPKEFKAETFTFHSDICTLPEKEKQIKKQTALAEL VKHKPKATAEQLKTVMDDFDAQFLDTCKAADKDTCTFSTEGPNLVTRCKDALA
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%.

Reconstitution

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.