

## Native Bovine Albumin

**Cat. No.** ALB-5362B    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Native Bovine ALB was expressed in Bovine serum and Molecular Weight is 66 kDa.                                                                                                                                                                                                                                                                                                                                                           |
| <b>Species</b>          | Bovine                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | Bovine Serum                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | ALB is a stable plasma protein that can be used as a blocking agent in numerous applications including ELISAs (Enzyme-Linked Immunosorbent Assay), blots and immunohistochemistry. In restriction digests, ALB is used to stabilize some enzymes during digestion of DNA and to prevent adhesion of the enzyme to reaction tubes and other vessels. Bovine Serum ALB does not affect other enzymes that do not need it for stabilization. |
| <b>Form</b>             | Lyophilized                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Molecular Mass</b>   | 66 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Purity</b>           | ≥99% by SDS PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Storage</b>          | Lyophilized powder is stable for 3 years at 2-4°C. After reconstitution store in working aliquots at -20°C. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                            |
| <b>Reconstitution</b>   | Reconstitute in sterile distilled water. pH: 7.0-7.2.                                                                                                                                                                                                                                                                                                                                                                                     |

### GENE INFORMATION

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|                            |                                                                                                                                                   |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | ALB albumin [ Bos taurus ]                                                                                                                        |
| <b>Official Symbol</b>     | ALB                                                                                                                                               |
| <b>Synonyms</b>            | serum albumin; BSA                                                                                                                                |
| <b>Gene ID</b>             | 280717                                                                                                                                            |
| <b>mRNA Refseq</b>         | NM_180992                                                                                                                                         |
| <b>Protein Refseq</b>      | NP_851335                                                                                                                                         |
| <b>UniProt ID</b>          | P02769                                                                                                                                            |
| <b>Chromosome Location</b> | chromosome: 6                                                                                                                                     |
| <b>Pathway</b>             | Bile acid and bile salt metabolism, organism-specific biosystem; Hemostasis, organism-specific biosystem; Metabolism, organism-specific biosystem |
| <b>Function</b>            | DNA binding; chaperone binding; drug binding                                                                                                      |

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