

## Native Human ALB protein

**Cat. No.** ALB-524H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Native Human ALB, Fatty acid free, Globulin free, was purified from Human serum.                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | Human Serum                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Description</b>      | Albumin was used to test its effect on the in vitro bactericidal activity of cefditoren against penicillin-resistant Streptococcus pneumonia. It has been clinically used in serious and often life-threatening conditions, such as shock and blood loss due to trauma, burns, and surgery. It was used also to test the effect of non-enzymatic glycation on the unfolding of human serum albumin.                                                |
| <b>Form</b>             | lyophilized powder, Fatty acid free.                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Molecular Mass</b>   | monomer calculated mol wt 66478 Da                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Purity</b>           | ≥99% (agarose gel electrophoresis)                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Applications</b>     | Serum albumin functions as a carrier protein for steroids, fatty acids, and thyroid hormones, and is vital in regulating the colloidal osmotic pressures of blood. Albumin is also seen to bind to exogenous substances, particularly drugs (e.g., ibuprofen, warfarin), and strongly influence their pharmacokinetics. Oxidative stress leading to changes in the redox state of albumin has widely varied effects on its physiological function. |

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| <b>Notes</b>            | HIV I and HIVII, HCV and HBsAg, tested negative<br>≤0.02% Fatty acids                                                                                                     |
| <b>Reconstitution</b>   | H <sub>2</sub> O: soluble 50 mg/mL                                                                                                                                        |
| <b>GENE INFORMATION</b> |                                                                                                                                                                           |
| <b>Gene Name</b>        | ALB albumin [ Homo sapiens ]                                                                                                                                              |
| <b>Official Symbol</b>  | ALB                                                                                                                                                                       |
| <b>Synonyms</b>         | ALB; albumin; serum albumin; albumin (32 AA); albumin (AA 34); growth-inhibiting protein 20; cell growth inhibiting protein 42; PRO0883; PRO0903; PRO1341; DKFZp779N1935; |
| <b>Gene ID</b>          | 213                                                                                                                                                                       |
| <b>mRNA Refseq</b>      | NM_000477                                                                                                                                                                 |
| <b>Protein Refseq</b>   | NP_000468                                                                                                                                                                 |
| <b>UniProt ID</b>       | P02768                                                                                                                                                                    |