

Product datasheet

Recombinant Human Serum Albumin protein
ab201876

1 Image

Description

| | | |
|--------------------------|---|--|
| Product name | Recombinant Human Serum Albumin protein | |
| Purity | > 90 % SDS-PAGE. ab201876 was purified by conventional chromatography techniques. | |
| Endotoxin level | < 1.000 Eu/μg | |
| Expression system | Insect cells | |
| Accession | P02768 | |
| Protein length | Full length protein | |
| Animal free | No | |
| Nature | Recombinant | |
| Species | Human | |
| Sequence | RGVFRRDAHKSEVAHRFKDLGEENFKALVLIIFAQYLQQ CPFEDHVKLVN EVTEFAKTCVADESAENCCKSLHTLFGDKLCTVATLRETY GEMADCCAKQ EPERNECFLQHKDDNPPLPRLVRPEVDVMCTAFHDNEE TFLKKYLYEIR RHPYFYAPELLFFAKRYKAAFTECCQAADKAACLLPKLDE LRDEGKASSA KQRLKCASLQKFGERAFKAWAVARLSQRFPKAEFAEVS KLVTDLTKVHTE CCHGDLLECADDRADLAKYICENQDSISSKLKECCEKPLL EKSHCIAEVE NDEMPADLPSLAADFVESKDVCKNYAEAKDVFLGMFLYE YARRHPDYSVV LLLRLAKTYETTLEKCCAAADPHECYAKVFDEFKPLVEEP QNLIKQNCLE FEQLGEYKFNALLVRYTKKVPQVSTPTLVEVSRNLGKVG SKCCKHPEAK RMPCAEDYLSVVLNQLCVLHEKTPVSDRVTKCCTESLVN RRPCFSALEVD ETYPKEFNAETFTFHADICTLSEKERQIKKQTALVELVKH KPKATKEQL | |

KAVMDDFAAFVEKCKADDKETCFAEEGKKLVAASQAA
LGLHHHHHH

| | |
|--|--|
| Predicted molecular weight | 68 kDa including tags |
| Amino acids | 19 to 609 |
| Tags | His tag C-Terminus |
| Additional sequence information | This product is the mature full length protein including propeptide from aa 19 to 609. The signal peptide is not included (NP_000468). |
| Description | Recombinant Human Human Serum Albumin protein |

Specifications

Our [Abpromise guarantee](#) covers the use of **ab201876** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| | |
|---------------------|----------|
| Applications | SDS-PAGE |
| Form | Liquid |

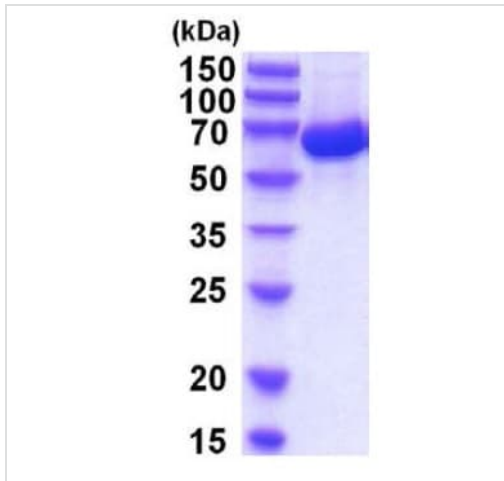
Preparation and Storage

| | |
|------------------------------|---|
| Stability and Storage | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 7.40 Constituents: 10% Glycerol (glycerin, glycerine), 90% PBS |
|------------------------------|---|

General Info

| | |
|---|--|
| Function | 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. |
| Tissue specificity | Plasma. |
| Involvement in disease | Defects in ALB are a cause of familial dysalbuminemic hyperthyroxinemia (FDH) [MIM:103600]. FDH is a form of euthyroid hyperthyroxinemia that is due to increased affinity of ALB for T(4). It is the most common cause of inherited euthyroid hyperthyroxinemia in Caucasian population. |
| Sequence similarities | Belongs to the ALB/AFP/VDB family. Contains 3 albumin domains. |
| Post-translational modifications | Kenitra variant is partially O-glycosylated at Thr-620. It has two new disulfide bonds Cys-600 to Cys-602 and Cys-601 to Cys-606. Glycated in diabetic patients. Phosphorylation sites are present in the extracellular medium. Acetylated on Lys-223 by acetylsalicylic acid. |
| Cellular localization | Secreted. |

Images



15% SDS-PAGE analysis of ab201876 (3 µg).

SDS-PAGE - Recombinant Human Serum Albumin protein (ab201876)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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