

Recombinant Human Serum Albumin protein

ab201876

[2 References](#) [1 Image](#)

Description	
Product name	Recombinant Human Serum Albumin protein
Purity	> 90 % SDS-PAGE. Affinity purified
Endotoxin level	< 1.000 Eu/µg
Expression system	Insect cells
Accession	<u>P02768</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	RGVFRRDAHKSEVAHRFKDLGEENFKALVLIAFAQYLQQ CPFEDHVKLVN EVTEFAKTCVADESAENC DKSLHTLFGDKLCTVATLRETY GEMADCCAKQ EPERNECFLQHKDDNP NLPRLVRPEVDVMCTAFHDNEE TFLKKLYE IAR RHPYFYAPELLFFAKRYKAAFTECCQAADKAACLLPKLDE LRDEGKASSA KQRLKCASLQKFGERAFKAWAVARLSQRFPKAEFAEVS KLVTDLTKVHTE CCHGDLLECADDRADLAKYICENQDSISSKLKECCEKPLL EKSHCIAEVE NDEMPADLP SLAADFVESKDVCKNYAEAKDVFLGMFLYE YARRHPDYSVV LLLRLAKTYETTLEKCCAAADPHECYAKVFDEFKPLVEEP QNLIKQNCEL FEQLGEYKFQNALLVRYTKKVPQVSTPTLVEVSRNLGKVG SKCKKHPEAK RMPCAEDYLSVVLNQLCVLHEKTPVSDRVTKCCTESLVN RRPCFSALEVD ETYVPKEFNAETFTFHADICTLSEKERQIKKQTALVELVKH KPKATKEQL

KAVMDDFAAFVEKCKADDKETCFEEGKKLVAAASQAA
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
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Form	Liquid
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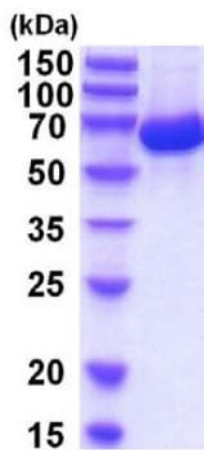
Preparation and Storage

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
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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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