

Product datasheet

AGE-BSA **ab51995**

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

Description

Product name	AGE-BSA
Purity	> 98 % SDS-PAGE.
Expression system	Native
Accession	<u>P02769</u>
Protein length	Full length protein
Animal free	No
Nature	Native
Species	Cow
Predicted molecular weight	67 kDa
Description	Native Cow AGE protein

Specifications

Our **Abpromise guarantee** covers the use of **ab51995** 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
Additional notes	<p>This product is manufactured by BioVision, an Abcam company and was previously called 2221 AGE-BSA. 2221-10 is the same size as the 10 mg size of ab51995.</p> <p>May precipitate during extended storage. Sonicate to solubilize the precipitates. The AGE modified BSA was produced by reacting BSA with glycolaldehyde under sterile conditions followed by extensive dialysis and purification steps. Fluorescence of AGEs was confirmed by fluorescence spectrophotometry with Ex./Em. = 370/440 nm. Glycated BSA shows a 7000% increase in fluorescence in compared to control BSA.</p>

Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle. Constituent: 98% PBS
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General Info

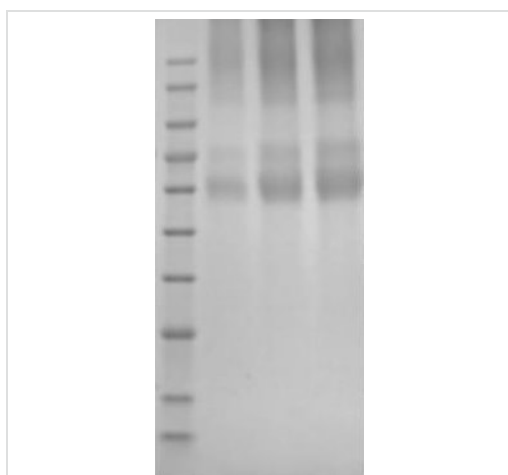
Relevance

The non enzymatic reaction of reducing carbohydrates with lysine side chains and N terminal amino groups of macromolecules (amino acids, proteins, phospholipids and nucleic acids) is called the Maillard reaction or glycation. The latter products of this process, termed advanced glycation end products (AGEs), adversely affect the functional properties of proteins, lipids and DNA. In long lived tissue proteins, these chemical modifications accumulate with age and may contribute to the pathophysiology of ageing and long term complications of diabetes, atherosclerosis and renal failure.

Cellular localization

Cell Membrane and Secreted

Images



4-20% SDS-PAGE of AGE-BSA: 10, 15 and 20 ug of AGE-BSA loaded in each lane under reducing conditions and stained with Coomassie Blue. AGE-BSA has a predicted MW of ~ 66.5 kDa

SDS-PAGE - AGE-BSA (ab51995)

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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