

## A1BG/Alpha-1B-Glycoprotein Protein, Human (HEK293, His)

Cat. No.:	HY-P75544
Synonyms:	Alpha-1B-glycoprotein; Alpha-1-B glycoprotein; A1BG
Species:	Human
Source:	HEK293
Accession:	P04217-1 (A22-S495)
Gene ID:	1
Molecular Weight:	Approximately 70-80 kDa due to the glycosylation

### PROPERTIES

AA Sequence	<pre> A I F Y E T Q P S L   W A E S E S L L K P   L A N V T L T C Q A   H L E T P D F Q L F K N G V A Q E P V H   L D S P A I K H Q F   L L T G D T Q G R Y   R C R S G L S T G W T Q L S K L L E L T   G P K S L P A P W L   S M A P V S W I T P   G L K T T A V C R G V L R G V T F L L R   R E G D H E F L E V   P E A Q E D V E A T   F P V H Q P G N Y S C S Y R T D G E G A   L S E P S A T V T I   E E L A A P P P P V   L M H H G E S S Q V L H P G N K V T L T   C V A P L S G V D F   Q L R R G E K E L L   V P R S S T S P D R I F F H L N A V A L   G D G G H Y T C R Y   R L H D N Q N G W S   G D S A P V E L I L S D E T L P A P E F   S P E P E S G R A L   R L R C L A P L E G   A R F A L V R E D R G G R R V H R F Q S   P A G T E A L F E L   H N I S V A D S A N   Y S C V Y V D L K P P F G G S A P S E R   L E L H V D G P P P   R P Q L R A T W S G   A V L A G R D A V L R C E G P I P D V T   F E L L R E G E T K   A V K T V R T P G A   A A N L E L I F V G P Q H A G N Y R C R   Y R S W V P H T F E   S E L S D P V E L L   V A E S           </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

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**Background**

The A1BG/Alpha-1B-Glycoprotein protein engages in specific molecular interactions, notably forming a complex with CRISP3. This interaction suggests a potential functional association between A1BG and CRISP3, prompting further investigation into the biological consequences and regulatory mechanisms influenced by their mutual binding. The nature and significance of this protein-protein interaction remain areas of interest, warranting additional research to unveil the precise roles and implications within cellular processes or physiological pathways.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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