Alpha-1-B-Glycoprotein (a1BG) Recombinant Protein | a1BG recombinant protein

Recombinant Alpha-1-B-Glycoprotein (a1BG)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA134265	**E.coli**	**Homo sapiens (Human)**	**Western Blot, SDS-Page**

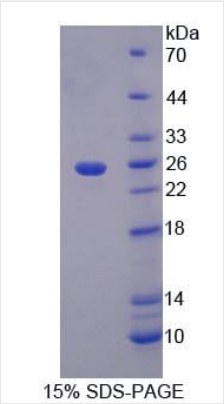
PRODUCT SYNONYMS

Alpha-1-B-Glycoprotein (a1BG); Recombinant Alpha-1-B-Glycoprotein (a1BG); a1BG recombinant protein

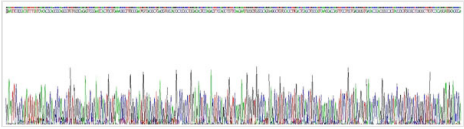
PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Homo sapiens (Human)
Purity/Purification	> 90%
Form/Format	PBS, pH7.4, containing 0.02% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Concentration	Original Concentration: 200ug/mL (varies by lot)
Sequence	AIFYETQPSL WAESESLLKP LANVTLTCQA HLETPDFQLF KNGVAQEPVH LDSPAIKHQF LLTGDTQGRY RCRSGLSTGW TQLSKLLELT GPKSLPAPWL SMAPVSWITP GLKTTAVCRG VLRGVTFLLR REGDHEFLEV PEAQEDVEAT FPVHQPGNYS CSYRTDGEGA LSEPSATVTI EELAA
Applicable Applications for a1BG recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Ala22~Ala206
Tags	N-terminal His Tag
Subcellular Location	Secreted
Traits	Freeze-dried powder
Predicted isoelectric point	5.6
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1. Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.
Usage	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	**Storage:** Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. **Stability Test:** The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

IMAGES



SDS-PAGE



Sequence

NCBI AND UNIPROT INFORMATION

NCBI GI #	21071030
NCBI GeneID	1
NCBI Accession #	NP_570602.2
NCBI GenBank Nucleotide #	NM_130786.3
UniProt Accession #	P04217; Q68CK0; Q8IYJ6; Q96P39; A8K052
Molecular Weight	Predicted Molecular Mass: 21.8kDa Accurate Molecular Mass: 25kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	alpha-1B-glycoprotein
NCBI Official Synonym Full Names	alpha-1-B glycoprotein
NCBI Official Symbol	A1BG
NCBI Official Synonym Symbols	A1B; ABG; GAB; HYST2477
NCBI Protein Information	alpha-1B-glycoprotein; HEL-S-163pA; epididymis secretory sperm binding protein Li 163pA
UniProt Protein Name	Alpha-1B-glycoprotein
UniProt Gene Name	**A1BG**
UniProt Entry Name	A1BG_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://www.aaabiotech.com/a1bg-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/134265