

Alpha-2-Glycoprotein 1, Zinc Binding (aZGP1) Recombinant Protein | aZGP1 recombinant protein

Recombinant Alpha-2-Glycoprotein 1, Zinc Binding (aZGP1)

CATALOG # AAA148355	HOST E.coli	APPLICATIONS Western Blot, SDS-Page
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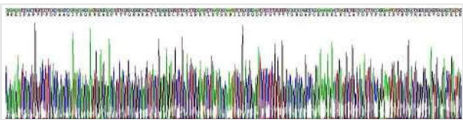
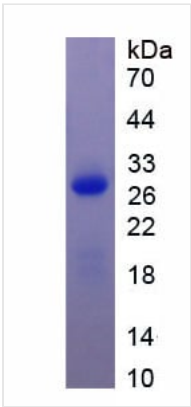
PRODUCT SYNONYMS

Alpha-2-Glycoprotein 1; Zinc Binding (aZGP1); Recombinant Alpha-2-Glycoprotein 1; ZA2G; ZAG; aZGP1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Purity/Purification	> 90%
Form/Format	100mMNaHCO ₃ , 500mMNaCl, pH8.3, containing 0.01% SKL, 5% Trehalose.
Concentration	Original Concentration: 200ug/mL (varies by lot)
Applicable Applications for aZGP1 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Organism Species	Homo sapiens (Human)
Source	Prokaryotic expression
Residues	Asn148~Ser298
Tags	N-terminal His Tag
Subcellular Location	Secreted
Traits	Freeze-dried powder
Predicted isoelectric point	6.6
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 ddH ₂ O 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 dateunder appropriate storage condition.

IMAGES



Identification

SDS-PAGE

IPAWVPDPA	AQITKQKWEA	EPVYVQRAKA	YLEEECPATL	RKYLKYSKNI	NKE
LDRQDPPSVV	VTSHQAPGEK	KKLKCLAYDF	YPGKIDVHMT	RAGEVQEPEL	
RGDVLHNGNG	TYQSHVVAV	PPQDTAPYSC	HVQHSSLAQP	LVVPWEAS	

Sequence

ADDITIONAL INFORMATION

Product Categories/Family for aZGP1 recombinant protein	Metabolic pathway
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4502337
NCBI GeneID	563
NCBI Accession #	NP_001176.1
NCBI GenBank Nucleotide #	NM_001185.3
UniProt Accession #	P25311; O60386; Q5XKQ4; Q8N4N0; D6W5T8
Molecular Weight	Predicted Molecular Mass: 23.8kDa Accurate Molecular Mass: 28kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	zinc-alpha-2-glycoprotein
NCBI Official Synonym Full Names	alpha-2-glycoprotein 1, zinc-binding
NCBI Official Symbol	AZGP1
NCBI Official Synonym Symbols	ZAG; ZA2G
NCBI Protein Information	zinc-alpha-2-glycoprotein
UniProt Protein Name	Zinc-alpha-2-glycoprotein
UniProt Gene Name	AZGP1
UniProt Synonym Gene Names	ZAG; ZNGP1; Zn-alpha-2-GP; Zn-alpha-2-glycoprotein

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.