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## AZGP1 Protein (AA 148-298) (His tag)



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Quantity:	100 μg
Target:	AZGP1
Protein Characteristics:	AA 148-298
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This AZGP1 protein is labelled with His tag.

### **Product Details**

Sequence:	Asn 148-Ser 298
Characteristics:	A DNA sequence encoding the Human AZGP1 protein (P25311) (Asn148-Ser298) was expressed with a N-His.
Purity:	> 95 % as determined by reducing SDS-PAGE.

## Target Details

Target:	AZGP1
Alternative Name:	AZGP1 (AZGP1 Products)
Background:	Abbreviation: AZGP1
	Target Synonym: Zinc-Alpha-2-Glycoprotein,Zn-Alpha-2-GP,Zn-Alpha-2-
	Glycoprotein,AZGP1,ZAG,ZNGP1
	Background: Zinc-α-2-Glycoprotein (AZGP1) can be found in blood plasma, seminal plasma,

urine, sweat, saliva, liver, and epithelial cells of various human glands. AZGP1 has been proposed in the regulation of body weight, and the melanin production by normal and malignant melanocytes. AZGP1 stimulates lipid degradation in adipocytes and causes the extensive fat losses associated with some advanced cancers. AZGP1 has been reported to stimulate lipid breakdown and may have an important role in lipid homeostasis. Mature human AZGP1 consists of one MHC class I antigen region and a C2-type Ig-like domain. AZGP1 has two alternate splice forms, one shows a 66 amino acids substitution for the C-terminal 30 amino acids, the other one shows a nine Lys substitution for amino acid 151-298.

Molecular Weight:

Calculated MW: 16.5 kDa

Observed MW: 22 kDa

UniProt:

P25311

Pathways:

Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process

### **Application Details**

Restrictions:

For Research Use only

## Handling

Format:	Lyophilized	
Buffer:	Lyophilized from sterile PBS, pH 7.4.  Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.	
Storage:	4 °C,-20 °C,-80 °C	
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.  Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.	
Expiry Date:	12 months	