Datasheet for ABIN1097823

AZGP1 Protein (AA 21-298) (His tag)

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Overview

Quantity:	50 µg
Target:	AZGP1
Protein Characteristics:	AA 21-298
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This AZGP1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Zinc-α-2-Glycoprotein/AZGP1/ZAG (C-6His)
Sequence:	QENQDGRYSL TYIYTGLSKH VEDVPAFQAL GSLNDLQFFR YNSKDRKSQP MGLWRQVEGM EDWKQDSQLQ KAREDIFMET LKDIVEYYND SNGSHVLQGR FGCEIENNRS SGAFWKYYYD GKDYIEFNKE IPAWVPFDPA AQITKQKWEA EPVYVQRAKA YLEEECPATL RKYLKYSKNI LDRQDPPSVV VTSHQAPGEK KKLKCLAYDF YPGKIDVHWT RAGEVQEPEL RGDVLHNGNG TYQSWVVVAV PPQDTAPYSC HVQHSSLAQP LVVPWEASVD HHHHHH
Characteristics:	Recombinant Human Zinc-alpha-2-Glycoprotein/AZGP1 produced by transfected human cells is a secreted protein with sequence (Gln21-Ser298) of Human AZGP1 fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	AZGP1
Alternative Name:	zag (AZGP1 Products)
Sub Type:	Fusionprotein
Background:	Zinc-alpha-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. Alternative Names: Zinc-Alpha-2-Glycoprotein, Zn-Alpha-2-GP, Zn-Alpha-2-Glycoprotein, AZGP1, ZAG, ZNGP1
Molecular Weight:	33.18 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
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM TrisHCl, 150 mM NaCl, pH 7.5.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days.

Handling

	Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Expiry Date:	3 months