Recombinant human ZAG protein
Catalog Number: ATGP3281

PRODUCT INFORMATION

Expression system
Baculovirus

Domain
21-298aa

UniProt No.
P25311

NCBI Accession No.
NP_001176

Alternative Names
AZGP1, ZA2G, ZAG

PRODUCT SPECIFICATION

Molecular Weight
33.2 kDa (286aa)

Concentration
0.5mg/ml (determined by absorbance at 280nm)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity
> 95% by SDS-PAGE

Endotoxin level
< 1 EU per 1ug of protein (determined by LAL method)

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
AZGP1, also known as zinc-alpha-2-glycoprotein, is a member of the MHC class 1 family of proteins. It is reported to associate with PIP (prolactin-inducible protein) but not the MHC light chain, B 2-microglobulin. It is produced by secretory epithelia and is present in most body fluids. It stimulates lipid degradation in adipocytes and causes the extensive fat losses associated with some advanced cancers. Recombinant human AZGP1, fused to His-tag

at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid 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
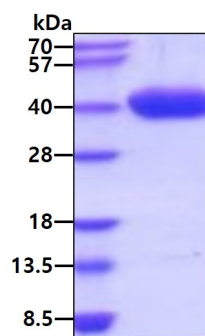TYQSWVVVAV PPQDTAPYSC HVQHSSLAQP LVVPWEAS<LE HHHHHH>

General References

Freije J. P., et al. (1993) Genomics 18:575-587.
Massan M. I., et al. (2008) J. Mol. Biol. 384:663-672.

DATA

SDS-PAGE

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

NKMAX