
Zinc-alpha-2-glycoprotein, 21-298aa, Human, His tag, Insect cell

Cat.NO.: TP04535

3th Edition

Synonyms:AZGP1, ZA2G, ZAG

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.

Form:Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight:33.2kDa (286aa), 40-57kDa (SDS-PAGE under reducing conditions.)

Sequences:

QENQDGRYSLTYIYTGLSKHVEDVPAFQALGSLNDLQFFRYNSKDRKSQPMGLWRQVEGMEDWKQDSQLQKAR
EDIFMETLKDIVEYYNDSNGSHVLQGRFGCEIENNRSSGAFWKYYYDGKDYIEFNKEIPAWVPFDPAAQITKQKWE
AEPVYVQRAKAYLEEECPATLRKYLKYSKNILDRQDPPSVVVTSHQAPGEKKKCLKLAYDFYPGKIDVHWTRAGEV
QPELRGDVLHNGNGTYQSWVVVAVPPQDTAPYSCHVQHSSLAQPLVVPWEASLEHHHHHH

Purity:> 95% by HPLC

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

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.