

Product information

Zinc-alpha-2-glycoprotein, 21-298aa

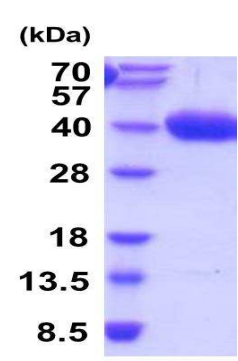
Human, His-tagged, Recombinant, Insect cell

Cat. No. IBATGP3281

NCBI Accession No.: NP_001176

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.

<p>Form: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.</p> <p>Molecular Weight: 33.2kDa (286aa) 40-57KDa (SDS-PAGE under reducing conditions.)</p> <p>Predicted N terminal: Gln21</p> <p>Purity: > 95% by SDS – PAGE.</p> <p>Concentration: 0.5mg/ml (determined by Absorbance at 280nm)</p> <p>Endotoxin Level: < 1.0 EU per 1µg of protein (determined by LAL method)</p>	 <p>(kDa)</p> <p>70 57 40 28 18 13.5 8.5</p> <p>15% SDS-PAGE (3µg)</p>
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Sequences of amino acids:

QENQDGRYSL TYIYTGLSKH VEDVPAFQAL GSLNDLQFFR YNSKDRKSQP MGLWRQVEGM EDWKQDSQLQ KAREDFMET LKDI VEYYND
 SNGSHVLQGR FGCEIENNRS SGAFWKYYDD GKDYIEFNKE IPAWVPFDPA AQITKQKWEA EPVYVQRAKA YLEEECPATL RKYLKYSKNI
 LDRQDPPSVV VTSHQAPGEK KKLKCLAYDF YPGKIDVHWT RAGEVQPEL RGDVLHNGNG TYQSWVVAV PPQDTAPYSC HVQHSSLAQP
 LVVPWEASLE 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.

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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.