

Recombinant Human ZAG/AZGP1 Protein (His Tag)

Catalog No. PKSH033242

Note: Centrifuge before opening to ensure complete recovery of vial contents.

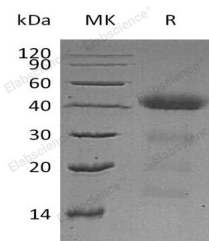
Description

Synonyms	Zinc-Alpha-2-Glycoprotein;Zn-Alpha-2-GP;Zn-Alpha-2-Glycoprotein;AZGP1;ZAG;ZNGP1
Species	Human
Expression Host	HEK293 Cells
Sequence	Gln21-Ser298
Accession	P25311
Calculated Molecular Weight	33.2 kDa
Observed molecular weight	42 kDa
Tag	C-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	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.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 7.5. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

For Research Use Only

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.