

Active Recombinant Human AZGP1, Met&His-tagged

Cat. No. AZGP1-297H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human AZGP1 (Accession # AAH05346) Glu2-Glu222, fused with an N-terminal Met and 6-His tag, was produced in E. coli-derived.
Species	Human
Source	E.coli
ProteinLength	2-222 a.a.
Predicted N Terminal	Met
Form	Supplied as a 0.2 µ filtered solution in Tris and NaCl.
Bio-activity	Measured by its ability to inhibit carboxypeptidase A1 cleavage of the colorimetric peptide substrate Ac-Phe-Thiapho-OH in the presence of 5,5-Dithio-bis (2-nitrobenzoic acid) (DTNB). Edwards, K.M. et al. (1999) J. Biol. Chem. 274:30468. The IC50 value is <1 nM, as measured under the described conditions.
Molecular Mass	Recombinant Human AZGP1, Met&His-tagged has a calculated MW of 27 kDa. In SDS-PAGE migrates as 30 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3

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months (-70°C).

GENE INFORMATION

Gene Name	AZGP1 alpha-2-glycoprotein 1, zinc-binding [Homo sapiens]
Official Symbol	AZGP1
Synonyms	AZGP1; alpha-2-glycoprotein 1, zinc-binding; alpha 2 glycoprotein 1, zinc; zinc-alpha-2-glycoprotein; ZA2G; ZAG; zn-alpha-2-GP; Zn-alpha2-glycoprotein; zn-alpha-2-glycoprotein; Alpha-2-glycoprotein, zinc;
Gene ID	563
mRNA Refseq	NM_001185
Protein Refseq	NP_001176
MIM	194460
UniProt ID	P25311
Chromosome Location	7q22.1

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