

Recombinant Human Alpha-1-Acid Glycoprotein 1/AGP1 (C-His)

Catalog No: BP095

Description	Recombinant Human Alpha-1-Acid Glycoprotein 1 is produced by Human 293 Cells. The target gene encoding Q19-S201 is expressed with an 8His tag at the C terminus.
Expression System	Human
Alternative name	AGP 1; Orosomucoid-1; OMD 1; ORM1; AGP1
Accession No.	P02763
Predicted Molecular Weight	24.6kDa
Apparent Molecular Weight	AGP1 protein appeared as a smear between 23-45kDa in a reducing SDS-PAGE gel due to glycosylation.
Quality Control	Purity: greater than 95% as determined by reducing SDS-PAGE. Endotoxin: less than 0.1 ng/μg (1 EU/μg) as determined by TAL test.
Formulation	PBS, pH 7.2
Reconstitution	It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Background	Alpha-1-Acid Glycoprotein 1 (AGP1) is an acute-phase protein secreted by the liver and is a member of the calycin superfamily. The expression of AGP1 increases 5 to 50-fold fold upon inflammation, which is regulated by glucocorticoids, interleukin-1 and interleukin-6. AGP1 binds various ligands in the interior of its beta-barrel domain. It also binds synthetic drugs and influences their distribution and availability in the body.

SDS-PAGE

