

## ORM1

# Native Human Alpha-1-Acid Glycoprotein 1

<b>Catalog No.</b>	CSI19776A	<b>Quantity:</b>	1.0 mg
	CSI19776B		10 mg

**Alternate Names:** AGP 1, Orosomucoid-1, OMD 1

**Description:** Found in human plasma in concentrations of 55-140 mg per 100 ml. Classical standard glycoprotein for studies on the structure of the oligosaccharide units. Carbohydrate content is 40percent. Its biological significance is unknown although it can bind progesterone 15 times as strongly as albumin. Sialic-acid-deficient alpha-1-AG has an affinity for vitamin B-12. Clinically, alpha 1 acid glycoprotein is an acute-phase reactant that together with haptoglobin is an indicator of acute inflammation. The alpha 1 acid glycoprotein:haptoglobin ratio is useful in studies of bone marrow disorders, hemolytic processes and metastases.

**UniProt ID:** P02763

**Gene ID:** 5004

**Source:** Human Plasma

**Molecular Weight:** ~45 kDa

**Formulation:** Lyophilized from a salt free solution.

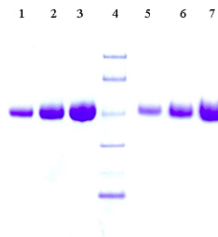
**Purity:** >95% by SDS-PAGE analysis

**Extinction Coefficient:**  $E^{0.1\%}_{280nm} = 0.89$

**Reconstitution:** **Centrifuge vial prior to opening.** Add deionized water to fully solubilize the protein. Aliquot and freeze unused portion.

**Storage & Stability:** Store at -80°C for up to 1 year. Upon reconstitution, prepare working aliquots and store at -80°C. **Avoid repeated freeze-thaw cycles.**

**Certification:** Prepared from plasma shown to be non reactive for HbsAG, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2 by FDA approved tests.



1. Human Alpha-1-Acid Glycoprotein (5 ug) R  
2. Human Alpha-1-Acid Glycoprotein (10 ug) R  
3. Human Alpha-1-Acid Glycoprotein (20 ug) R  
4. Molecular Weight Markers  
5. Human Alpha-1-Acid Glycoprotein (5 ug) NR  
6. Human Alpha-1-Acid Glycoprotein (10 ug) NR  
7. Human Alpha-1-Acid Glycoprotein (20 ug) NR

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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