

# Native Human Serum Alpha-1-Acid GlycoProtein

**Cat. No.** ORM1-8013H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human Serum Alpha-1-Acid GlycoProtein was purified from Human Serum.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | Human Serum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Description</b>      | <p>Alpha 1 acid glycoprotein (orosomucin) (A1AG) is a major serum glycoprotein of unknown physiological function. alpha-1-acid glycoprotein (A1AG) has been implicated in cellular inflammation by increasing tissue factor expression and tumour necrosis factor alpha secretion of monocytes. alpha-1-acid glycoprotein (A1AG) protein is associated with five asparaginyl-linked complex oligosaccharide chains, the proportions and identities of which are altered in several physiological and pathological conditions. alpha 1 acid glycoprotein (A1AG) is also clinically important as a non-specific drug binder in serum.</p> |
| <b>Form</b>             | Lyophilized from 0.02M NH <sub>4</sub> HCO <sub>3</sub>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Purity</b>           | >96% by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Stability</b>        | 1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Storage</b>          | 2-8 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

## GENE INFORMATION

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|                            |                                                                                                  |
|----------------------------|--------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | ORM1 orosomucoid 1 [ Homo sapiens ]                                                              |
| <b>Official Symbol</b>     | ORM1                                                                                             |
| <b>Synonyms</b>            | ORM1; orosomucoid 1; alpha-1-acid glycoprotein 1; AGP 1; OMD 1; orosomucoid-1; ORM; AGP1; AGP-A; |
| <b>Gene ID</b>             | 5004                                                                                             |
| <b>mRNA Refseq</b>         | NM_000607                                                                                        |
| <b>Protein Refseq</b>      | NP_000598                                                                                        |
| <b>MIM</b>                 | 138600                                                                                           |
| <b>UniProt ID</b>          | P02763                                                                                           |
| <b>Chromosome Location</b> | 9q31-qter                                                                                        |
| <b>Function</b>            | protein binding;                                                                                 |

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