

Product datasheet for **SC119782**

Alpha 1 Acid Glycoprotein (ORM1) (NM_000607) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Alpha 1 Acid Glycoprotein (ORM1) (NM_000607) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Alpha 1 Acid Glycoprotein |
| Synonyms: | AGP-A; AGP1; HEL-S-153w; ORM |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL4</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Fully Sequenced ORF: | >OriGene ORF within SC119782 sequence for NM_000607 edited (data generated by NextGen Sequencing) ATGGCGCTGTCCCTGGGTTCTTACAGTCCTGAGCCTCTACCTCTGCTGGAAGCCCAGATC CCATTGTGTGCCAACCTAGTACCGGTGCCCATCACCAACGCCACCCTGGACCAGATCACT GGCAAGTGGTTTTATATCGCATCGGCCTTTCGAAACGAGGAGTACAATAAGTCGGTTCAG GAGATCCAAGCAACCTTCTTTTACTTCACCCCAACAAGACAGAGGACACGATCTTTCTC AGAGAGTACCAGACCCGACAGGACCAGTGCATCTATAACACCACCTACCTGAATGTCCAG CGGGAAAATGGGACCATCTCCAGATACGTGGGAGGCCAAGAGCATTTTCGCTCACTTGCTG ATCCTCAGGGACACCAAGACCTACATGCTTGTCTTTGACGTGAACGATGAGAAGAAGTGG GGGCTGTCTGTCTATGCTGACAAGCCAGAGACGACCAAGGAGCAACTGGGAGAGTTCTAC GAAGCTCTCGACTGCTTGCAGTCCCAAGTCAGATGTCGTGTACACCGATTGGAAAAAG GATAAGTGTGAGCCACTGGAGAAGCAGCACGAGAAGGAGAGGAAACAGGAGGAGGGGAA TCCTAG Clone variation with respect to NM_000607.2 113 g=>a |



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| 5' Read Nucleotide Sequence: | <p>>OriGene 5' read for NM_000607 unedited GCCCCCCGGAAAACCAACCTNCTCCCCCGNCCGGTTCAAATTTGTATACGACTCATAT AGGCGGCCCGCCTGGCTCCCGTGCCTCCTGGTCTCAGTATGGCGCTGTCTGGTTCTT ACAGTCTGAGCCTCCTACCTCTGCTGGAAGCCAGATCCCATTGTGTGCCAACCTAGTA CCGGTGCCATCACCAACGCCACCCTGGACCAGATCACTGGCAAGTGGTTTTATATCGCA TCGGCCTTTCGAAACGAGGAGTACAATAAGTCGGTTCAGGAGATCCAAGCAACCTTCTTT TACTTCAACCCCAACAAGACAGAGGACACGATCTTTCTCAGAGAGTACCAGACCCGACAG GACCAGTGCATCTATAACACCACCTACCTGAATGTCCAGCGGAAAATGGGACCATCTCC AGATACGTGGGAGGCCAAGAGCATTTCGCTCACTTGTCTGATCCTCAGGGACACCAAGACC TACATGCTTGCTTTTACGCTGAACGATGAGAAGAACTGGGGGCTGTCTGTCTATGCTGAC AAGCCAGAGACGACCAAGGAGCAACTGGGAGAGTTCTACGAAGCTCTCGACTGCTTGCGC ATTCCCAAGTCAGATGTCGTGTACACCGATTGGAAAAAGGATAAGTGTGAGCCACTGGAG AAGCAGCACGAGAAGGAGAGGAAACAGGAGGAGGGGAATCCTAGCANGACACAGCCTTG GATCANGACAGAGACTTGGGGCCATCCTGCCCTCCAACCCGACATGTGTACCTCAGCT TTTTCCTTCACTTGCATCAATAAAGCTTCTGTGTTTGGAAACAAAAAAAAAAAAAAAAAAAA AACTCGACTCTAGATTGCGGCCGCGGTCAAGCTTTTCTGAACAGATCCCGGNTGGCA TCNTGTGACCCCTNCCAGTGCCTCTNCTG</p> |
| 3' Read Nucleotide Sequence: | <p>>OriGene 3' read for NM_000607 unedited ATGCTTGNACCCGCGCCGAATCTAGNGATCGGTTTTTTTTTTTTTTTTTTTTTTTTTTGGT CCAAACCAAAAAGCTTTATTGATGCAAGTGAGGGAAAAAGCTGAGGTACACATGTCGGGTT GGAGGGGCAGGATGGCCCCAAGTCTCTGTCTGATCCAAGGCTGTGTCTGCTAGGATT CCCCTCCTCCTGTTTCTCCTTCTCTGTGCTGCTTCTCCAGTGGCTCACACTTATCCT TTTTCAAATCGGTGTACACGACATCTGACTTGGGAATGCGCAAGCAGTCCGAGAGTTCGT AGAACTCTCCAGTTGCTCCTTGGTCTCTGGCTTGTGAGCATAGACAGACAGCCCC AGTTCTTCTCATCGTTCACGTCAAAAGCAAGCATGTAGGTCTTGGTGTCCCTGAGGATCA GCAAGTGAGCGAAATGCTCTTGGCCTCCCACGTATCTGGAGATGGTCCCATTTTCCCGCT GGACATTCAGGTAGGTGGTGTATAGATGCACTGGTCTGTCGGGTCTGGTACTCTCTGA GAAGATCGTGTCTCTGTCTTGTGGGGTGAAGTAAAAGAAAGTTGCTTGGATCTCCTG AACCGACTTATTGACTCCTCGTTTCAAGGCCGATGCGATATAAAACCACTTGCCAGTG ATCTGGTCCANGTGGGCGTGGTATGGGCACCGTACTANNGTGCCACAATGGGATCTN GGCTTANCANAAGTAGAGGCTCANNGACTGTAGACCCAGACGCGCATACTGAGACCAG AGCACGTGGAGCCAGCGCGGCCCTATATGAGTCGTATACAAAATCTGACGGTACTAA CGAGCTCTGCTATTAGACCTCCACGTACACGCTACGNCCATTGCGTNAACGGCGGGGTA TTACGACATTTGAAAAGTCCCGTATTTTGTGCAAACTCCATGACTCATG</p> |
| Restriction Sites: | NotI-NotI |
| ACCN: | NM_000607 |
| Insert Size: | 820 bp |
| OTI Disclaimer: | Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP). |
| Components: | The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water). |

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_000607.1](#), [NP_000598.1](#)

RefSeq Size: 803 bp

RefSeq ORF: 606 bp

Locus ID: 5004

UniProt ID: [P02763](#)

Cytogenetics: 9q32

Domains: lipocalin

Protein Families: Druggable Genome, Secreted Protein

Gene Summary: This gene encodes a key acute phase plasma protein. Because of its increase due to acute inflammation, this protein is classified as an acute-phase reactant. The specific function of this protein has not yet been determined; however, it may be involved in aspects of immunosuppression. [provided by RefSeq, Jul 2008]