

Product datasheet for SC119471

alpha 1 Antichymotrypsin (SERPINA3) (NM_001085) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | alpha 1 Antichymotrypsin (SERPINA3) (NM_001085) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | SERPINA3 |
| Synonyms: | AACT; ACT; GIG24; GIG25 |
| Vector: | <u>pCMV6-XL5</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Cell Selection: | None |
| Fully Sequenced ORF: | >OriGene ORF within SC119471 sequence for NM_001085 edited (data generated by NextGen Sequencing) |

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ATGGAGAGAATGTTACCTCTCCTGGCTCTGGGGCTCTTGCGGGCTGGGTTCTGCCCTGCT
GTCCTCTGCCACCCTAACAGCCCACTTGACGAGGAGAATCTGACCCAGGAGAACCAAGAC
CGAGGGACACACGTGGACCTCGGATTAGCCTCCGCCAACGTGGACTTCGCTTTCAGCCTG
TACAAGCAGTTAGTCCTGAAGGCCCTGATAAGAATGTCATCTTCTCCCACTGAGCATC
TCCACCGCTTGGCCTTCTGTCTCTGGGGGCCATAATACCACCCTGACAGAGATTCTC
AAAGGCCCTCAAGTTCAACCTCACGGAGACTTCTGAGGCAGAAATTCACCAGAGCTCCAG
CACCTCTGCGCACCCCTCAATCAGTCCAGCGATGAGCTGCAGCTGAGTATGGGAAATGCC
ATGTTTGTCAAAGAGCAACTCAGTCTGCTGGACAGGTTACGAGGATGCCAAGAGGCTG
TATGGCTCCGAGGCCTTTGCCACTGACTTTCAGGACTCAGCTGCAGCTAAGAAGCTCATC
AACGACTACGTGAAGAATGGAAGTAGGGGGAAAATCACAGATCTGATCAAGGACCTTGAC
TCGAGACAATGATGGTCTGGTGAATTACATCTTCTTTAAAGCCAAATGGGAGATGCC
TTTGACCCCAAGATACTCATCAGTCAAGGTTCTACTTGAGCAAGAAAAAGTGGGTAATG
GTGCCCCATGATGAGTTTGCATCACCTGACTATACCTTACTTCCGGGACGAGGAGCTGTCC
TGCACCGTGGTGGAGCTGAAGTACACAGGCAATGCCAGCGCACTTTCATCCTCCCTGAT
CAAGACAAGATGGAGGAAGTGAAGCCATGCTGCTCCAGAGACCCTGAAGCGGTGGAGA
GACTCTCTGGAGTTCAGAGAGATAGGTGAGCTCTACCTGCCAAAGTTTTCCATCTCGAGG
GACTATAACCTGAACGACATACTTCTCCAGCTGGGCATTGAGGAAGCCTTCACCAGCAAG
GCTGACCTGTGAGGATCACAGGGGCCAGGAACCTAGCAGTCTCCAGGTGGTCCATAAG
GCTGTGCTTGTATTTGAGGAGGCCACAGAAGCATCTGCTGCCACAGCAGTCAAAATC
ACCCTCTTTCTGCATTAGTGGAGACAAGGACCATTGTGCGTTTTCAACAGGCCCTTCTG
ATGATCATTGTCCTACAGACACCCAGAACATCTTCTTCATGAGCAAAGTACCAATCCC
AAGCAAGCCTAG
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Clone variation with respect to NM_001085.4



[View online »](#)

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| 5' Read Nucleotide Sequence: | >OriGene 5' read for NM_001085 unedited TACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCCACCAGCTACATCCAGCTCC CTGAGGCAGAGTTGAGAAATGGAGAGAATGTTACCTCTCCTGGCTCTGGGGCTCTTGGCGG CTGGGTTCTGCCCTGCTGTCTCTGCCACCCTAACAGCCCACTTGACGAGGAGAATCTGA CCCAGGAGAACCAAGACCGAGGGACACACGTGGACCTCGGATTAGCCTCCGCCAACGTGG ACTTCGCTTTTACGCTGTACAAGCAGTTAGTCTGAAGGCCCTGATAAGAATGTCATCT TCTCCCCACTGAGCATCTCCACCCTTGGCCTTCTGTCTCTGGGGGCCATAATACCA CCCTGACAGAGATTCTCAAAGGCCTCAAGTTCAACCTCACGGAGACTTCTGAGGCAGAAA TTCACCAGAGCTTCCAGCACCTCTGCGCACCTCAATCAGTCCAGCGATGAGCTGCAGC TGAGTATGGGAAATGCCATGTTTGTCAAAGAGCAACTCAGTCTGCTGGACAGGTTACCGG AGGATGCCAAGAGGCTGTATGGCTCCGAGGCCTTGGCACTGACTTTCAGGACTCAGCTG CAGCTAAGAAGCTCATCAACGACTACGTGAAGAATGGAAGTGGGGGAAAATCACAGATC TGATCAAGGACCTTGACTCGCAGCAATGATGGTCTGGTGAATTACATCTCTTTANAGC CAAATGGGAGATGCCCTTGGACCCAAATACTCATCAGTCAAGGTTCTACTTGAGCAAG AANAGTGGGGTATGGGTGCCATGATGANGTTCATCACCTGACTATACCTTACTTCGGNA CGAAGAGCTGTCTGCACCGTGGTGGAGCTGAGTACACAGCATGCCACGCCTTATCTCCT GATAGACGATGGAGAGTGAGCCTGCTCTCCAAGACTGAGCGGAAACTCTCTGATAAAAA AAGGGACCTCCG |
| 3' Read Nucleotide Sequence: | >OriGene 3' read for NM_001085 unedited TAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTCCACGAAATTATTTATTGCTGTCA GGAGGCCCAGGACCCTCCAAACTGAAAAGTCCATGGGCCCTGTGCATGTGAAAGCTACA CAGGGAATCGCTGTACCTTCCAAGGATAAGCAAACAGGGCCACACATGCCATGGCCACT CGGTGCACAGGGCCAGGCTGTGCCAAAGACCCAGGCATCCAGCTTGCAATCCAAGTTC CTTACTGAGAGCCCCACTGCTTGATGGCAAGCTCTAGGCTTGCTTGGGATTGGTGACTTT GCTCATGAAAAAGATGTTCTGGGTGTCTGTAGGGACAATGATCATCAGGAAGGCCTGTT GAAACGCACAATGGTCTTGTCTCCACTAATGCAAAAAGGAGGGTGATTTTGACTGCTGT GGCAGCATATGCTTCTGTGCCCTCTCAAATACATCAAGCACAGCCTTATGGACCACCTG GGAGACTGCTAGGTTCTGGCCCTGTGATCCCTGACAGGTACCCCTGTGGTGAAGGC TTCCTCAATGCCACCTGGAGAAGTATGCGTTCAAGTTATATCCCCTCAAATGAAACCT TTGAGGTAGACTACCTATTTCTTGTACTCCAAGAGCTCTCCCGTTTAAAGGCTTTGGGA CAACATGGCTTACCTTCTTCTTGTGACAAGGAGAATAAAATGCCCTGGTTTGTCTG GCCCTAACCTCCCCGGGCAGAAATTCCTTCCGGAATAACGCTCCTGGGTCCAAACCTT ATGGGCCCTTCCACTTTTTTCCGCAACAACCTTCCGCCGATTTTTGCGGGAAAAGGATT CCCTTTGCGCTAAAAAATGTCTCACAGCACTTTTTTCGCTACACCGGCCCCACAATCTTT TTTCCCCCTTTCCCTCGCCTTCCCCCTTTCTCCCCCGCCTTACATTGCACCCCC CCCCCTCTCTTTTCGCCAG |
| Restriction Sites: | NotI-NotI |
| ACCN: | NM_001085 |
| Insert Size: | 1670 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). |
| RefSeq: | NM_001085.4 , NP_001076.2 |
| RefSeq Size: | 1629 bp |
| RefSeq ORF: | 1272 bp |

Locus ID: 12

UniProt ID: [P01011](#), [A0A024R6P0](#)

Domains: SERPIN

Protein Families: Druggable Genome, Secreted Protein

Gene Summary: The protein encoded by this gene is a member of the serpin family of proteins, a group of proteins that inhibit serine proteases. This gene is one in a cluster of serpin genes located on the q arm of chromosome 14. Polymorphisms in this protein appear to be tissue specific and influence protease targeting. Variations in this protein's sequence have been implicated in Alzheimer's disease, and deficiency of this protein has been associated with liver disease. Mutations have been identified in patients with Parkinson disease and chronic obstructive pulmonary disease. [provided by RefSeq, Jun 2020]