

## Product datasheet for **SC216094**

### alpha 1 Antitrypsin (SERPINA1) (NM\_001127701) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	alpha 1 Antitrypsin (SERPINA1) (NM_001127701) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	SERPINA1
Synonyms:	A1A; A1AT; AAT; alpha1AT; nNIF; PI; PI1; PRO2275
ACCN:	NM_001127701
Insert Size:	1717 bp



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**Insert Sequence:**

>SC216094 3' UTR clone of NM\_001127701

The sequence shown below is from the reference sequence of NM\_001127701. The complete sequence of this clone may contain minor differences, such as SNPs. **Red**=Cloning site  
**Blue**=Stop Codon

CAATTGGCAGAGCTCAGAATTCAA**ACGATCGC**

CCTCTTCATGGGAAAAGTGGTGAATCCCACCCAAAA**TA**ACTGCCTCTCGCTCCTCAACCCCTCCCCTCC  
ATCCCTGGCCCCCTCCCTGGATGACATTAAGAAGGGTTGAGCTGGTCCCTGCCTGCATGTGACTGTAA  
TCCCTCCCATGTTTTCTCTGAGTCTCCCTTTGCCTGCTGAGGCTGTATGTGGGCTCCAGGTAACAGTGCT  
GTCTTCGGGCCCCCTGAACTGTGTTTATGGAGCATCTGGCTGGGTAGGCACATGCTGGGCTTGAATCCAG  
GGGGGACTGAATCCTCAGCTTACGGACCTGGGCCATCTGTTTCTGGAGGGCTCCAGTCTCCTTGTCT  
GTCTTGGAGTCCCAAGAAGGAATCACAGGGGAGGAACCAGATACCAGCCATGACCCAGGCTCCACCAA  
GCATCTTCATGTCCCTGCTCATCCCCACTCCCCCACCAGAGTTGCTCATCCTGCCAGGGCTGGC  
TGTGCCACCCCAAGGCTGCCCTCCTGGGGGCCCAGAACTGCCTGATCGTGCCGTGGCCAGTTTTGTG  
GCATCTGCAGCAACACAAGAGAGAGGACAATGTCTCCTCTTGACCCGCTGTACCTAACCAGACTCGGG  
CCCTGCACCTCTCAGGCACTTCTGGAAAATGACTGAGGCAGATTCTTCTGAAGCCCATCTCCATGGGG  
CAACAAGGACACCTATTCTGTCTTGTCTTCCATCGCTGCCCGAAAGCCACATATCTCCGTTTAG  
AATCAGGTCCTTCTCCCCAGATGAAGAGGAGGGTCTCTGCTTTGTTTTCTATCTCCTCCTCAGACTT  
GACCAGGCCAGCAGGCCCCAGAAGACCATTACCCTATATCCCTTCTCCTCCCTAGTCACATGGCCATAG  
GCCTGCTGATGGCTCAGGAAGGCCATTGCAAGGACTCCTCAGCTATGGGAGAGGAAGCACATCACCCATT  
GACCCCGCAACCCCTCCCTTCTCCTCTGAGTCCCGACTGGGGCCACATGCAGCCTGACTTCTTTGTG  
CCTGTTGCTGTCCCTGCAGTCTTCAGAGGGCCACCGCAGCTCCAGTGCCACGGCAGGAGGCTGTTCTGA  
ATAGCCCTGTGGTAAGGGCCAGGAGATCCTTCCATCCTCCAAGGCCCTGCTAAAGGACACAGCAGCCA  
GGAAAGTCCCCTGGGCCCTAGCTGAAGGACAGCCTGCTCCCTCCGTCTTACCAGGAATGGCCTTGTCT  
ATGGAAGGCACTGCCCATCCCAAATAATCTAGGAATCACTGTCTAACCCTCACTGTCATGAATGTGT  
ACTTAAAGGATGAGGTTGAGTCATACCAAATAGTGATTCGATAGTTCAAAATGGTGAAATTAGCAATTC  
TACATGATTCAGTCTAATCAATGGATACCGACTGTTCCACACAAGTCTCCTGTTCTCTAAGCTTACT  
CACTGACAGCCTTCACTCTCCACAAATACATTAAGATATGGCCATACCAAGCCCTAGGATGACAC  
CAGACCTGAGAGTCTGAAGACCTGGATCCAAGTTCTGACTTTTCCCCTGACAGCTGTGTGACCTTCGTG  
AAGTCGCCAAACCTCTCTGAGCCCAAGTATTGCTAGTAAGACCTGCCTTTGAGTTGGTATGATGTTCAA  
GTTAGATAACAAAATGTTTATACCCATTAGAACAGAG

**ACGCGT**AAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCG

**Restriction Sites:**

Sgfl-Mlul

**OTI Disclaimer:**

Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:**

The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:**

[NM\\_001127701.1](#)

**Summary:**

The protein encoded by this gene is a serine protease inhibitor belonging to the serpin superfamily whose targets include elastase, plasmin, thrombin, trypsin, chymotrypsin, and plasminogen activator. This protein is produced in the liver, the bone marrow, by lymphocytic and monocytic cells in lymphoid tissue, and by the Paneth cells of the gut. Defects in this gene are associated with chronic obstructive pulmonary disease, emphysema, and chronic liver disease. Several transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Aug 2020]

**Locus ID:**

5265