

Product datasheet for **SC216088**

alpha 1 Antitrypsin (SERPINA1) (NM_000295) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	alpha 1 Antitrypsin (SERPINA1) (NM_000295) Human 3' UTR Clone
Symbol:	alpha 1 Antitrypsin
Synonyms:	A1A; A1AT; AAT; alpha1AT; nNIF; PI; PI1; PRO2275
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_000295
Insert Size:	1717 bp



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Insert Sequence: >SC216088 3' UTR clone of NM_000295
 The sequence shown below is from the reference sequence of NM_000295. The complete sequence of this clone may contain minor differences, such as SNPs. **Red**=Cloning site
Blue=Stop Codon

CAATTGGCAGAGCTCAGAATTCAA**GCGATCGC**

CCTCTTCATGGGAAAAGTGGTGAATCCCACCCAAAA**TA**ACTGCCTCTCGCTCCTCAACCCCTCCCCTCC
 ATCCCTGGCCCCCTCCCTGGATGACATTAAGAAGGGTTGAGCTGGTCCCTGCCTGCATGTGACTGTAA
 TCCCTCCCATGTTTTCTCTGAGTCTCCCTTTGCCTGCTGAGGCTGTATGTGGGCTCCAGGTAACAGTGCT
 GTCTTCGGGCCCCCTGAACTGTGTTTATGGAGCATCTGGCTGGGTAGGCACATGCTGGGCTTGAATCCAG
 GGGGGACTGAATCCTCAGCTTACGGACCTGGGCCATCTGTTTCTGGAGGGCTCCAGTCTCCTTGTCT
 GTCTTGGAGTCCCAAGAAGGAATCACAGGGGAGGAACCAGATACCAGCCATGACCCAGGCTCCACCAA
 GCATCTTCATGTCCCCCTGCTCATCCCCACTCCCCCACCAGAGTTGCTCATCCTGCCAGGGCTGGC
 TGTGCCACCCCAAGGCTGCCCTCCTGGGGGCCCCAGAAGTGCCTGATCGTGCCGTGGCCAGTTTTGTG
 GCATCTGCAGCAACACAAGAGAGAGGACAATGTCTCCTCTTGACCCGCTGTACCTAACCAGACTCGGG
 CCCTGCACCTCTCAGGCACTTCTGGAAAATGACTGAGGCAGATTCTTCTGAAGCCCATCTCCATGGGG
 CAACAAGGACACCTATTCTGTCTTGTCTTCCATCGCTGCCCGAAGCCCTCACATATCTCCGTTTAG
 AATCAGTCCCTTCTCCCCAGATGAAGAGGAGGGTCTCTGCTTTGTTTTCTATCTCCTCCTCAGACTT
 GACCAGGCCAGCAGGCCCCAGAAGACCATTACCCTATATCCCTTCTCCTCCCTAGTCACATGGCCATAG
 GCCTGCTGATGGCTCAGGAAGGCCATTGCAAGGACTCCTCAGCTATGGGAGAGGAAGCACATCACCCATT
 GACCCCGCAACCCCTCCCTTCTCCTCTGAGTCCCGACTGGGGCCACATGCAGCCTGACTTCTTTGTG
 CCTGTTGCTGTCCCTGCAGTCTTCAGAGGGCCACCGCAGCTCCAGTGCCACGGCAGGAGGCTGTTCTGA
 ATAGCCCTGTGGTAAGGGCCAGGAGAGTCTTCCATCCTCCAAGGCCCTGCTAAAGGACACAGCAGCCA
 GGAAGTCCCCTGGGCCCTAGCTGAAGGACAGCCTGCTCCCTCCGCTCTACCAGGAATGGCCTTGTCT
 ATGGAAGGCACTGCCCATCCCAAATACTAGGAATCACTGTCTAACCCTCACTGTGATGAATGTGT
 ACTTAAAGGATGAGGTTGAGTCATACCAAATAGTATTCGATAGTTCAAATGGTGAAATTAGCAATTC
 TACATGATTCAGTCTAATCAATGGATACCGACTGTTCCACACAAGTCTCCTGTTCTCTAAGCTTACT
 CACTGACAGCCTTCACTCTCCAAAAACATTAAGATATGGCCATCACCAAGCCCCCTAGGATGACAC
 CAGACCTGAGAGTCTGAAGACCTGGATCCAAGTTCTGACTTTTCCCCCTGACAGCTGTGTGACCTTCGTG
 AAGTCGCCAAACCTCTCTGAGCCCCAGTCATTGCTAGTAAGACCTGCCTTTGAGTTGGTATGATGTTCAA
 GTTAGATAACAAAATGTTTATACCCATTAGAACAGAG

ACGCGTAAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCG

Restriction Sites: SgfI-MluI

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_000295.4](#)

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