

## Product datasheet for **SC201251**

### alpha 2 Macroglobulin (A2M) (NM\_000014) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	alpha 2 Macroglobulin (A2M) (NM_000014) Human 3' UTR Clone
Symbol:	alpha 2 Macroglobulin
Synonyms:	A2MD; CPAMD5; FWP007; S863-7
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_000014
Insert Size:	145 bp
Insert Sequence:	>SC201251 3'UTR clone of NM_000014 The sequence shown below is from the reference sequence of NM_000014. The complete sequence of this clone may contain minor differences, such as SNPs. <b>Blue</b> =Stop Codon <b>Red</b> =Cloning site  GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAA <b>GCGATCGCC</b> CCTTGACAGCAAAGATCTTGAAATGCT <b>TGA</b> AGACCACAAGGCTGAAAAGTCTTTGCTGGAGTCCTGTT CTCAGAGCTCCACAGAAGACACGTGTTTTGTATCTTTAAAGACTTGATGAATAAACACTTTTTCTGGT CAATGTC <b>ACGCGT</b> AAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
Restriction Sites:	Sgfl-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:	<u><a href="#">NM_000014.6</a></u>



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**Summary:**

The protein encoded by this gene is a protease inhibitor and cytokine transporter. It uses a bait-and-trap mechanism to inhibit a broad spectrum of proteases, including trypsin, thrombin and collagenase. It can also inhibit inflammatory cytokines, and it thus disrupts inflammatory cascades. Mutations in this gene are a cause of alpha-2-macroglobulin deficiency. This gene is implicated in Alzheimer's disease (AD) due to its ability to mediate the clearance and degradation of A-beta, the major component of beta-amyloid deposits. A related pseudogene, which is also located on the p arm of chromosome 12, has been identified. [provided by RefSeq, Nov 2016]

**Locus ID:**

2

**MW:**

5.3