

## Product datasheet for **SC320192**

### ASMTL (NM\_004192) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ASMTL (NM_004192) Human Untagged Clone
Tag:	Tag Free
Symbol:	ASMTL
Synonyms:	ASMTLX; ASMTLY; ASTML
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_004192.2  
 GCCCGGCTCCCGGCGTGGACGCCATGGTGTGTGCCCGGTGATTGGGAAGCTGCTGCACA  
 AGCGCGTGGTGTGGCCAGCGCCTCCCCACGCCGTGAGGAGATCCTCAGCAACGCGGGTC  
 TCAGGTTTGAGGTGGTCCCCTCCAAGTTTAAAGAGAAGCTGGACAAAGCCTCCTTCGCTA  
 CTCCGTATGGGTACGCCATGGAGACCGCCAAGCAGAAGGCCCTGGAGGTGGCCAACCGGC  
 TGTACCAGAAAGACCTGCGGGCCCCGACGTGGTTCATTGGAGCGGACACGATCGTGACGG  
 TCGGGGGGCTGATTCTGGAGAAGCCGGTGGACAAGCAGGACGCCCTACAGGATGCTGTCCC  
 GGTTGAGTGGGAGAGAACACAGCGTGTTCACAGGTGTCGCGATCGTCCACTGCTCCAGCA  
 AAGACCATCAGCTGGACACCAGGTCTCGGAATTCTACGAGGAAACGAAGGTGAAGTTCT  
 CGGAGCTGTCGAGGAGCTGCTCTGGGAATACGTCCACAGCGGGGAGCCCATGGACAAAG  
 CTGGCGGCTACGGGATCCAGGCCCTGGCGGCATGCTGGTGGAGTCCGTACACGGGGACT  
 TTCTGAACGTGGTGGATTCCCCTGAACCACTTCTGCAAGCAGCTGGTGAAGCTCTACT  
 ACCCGCCCCGCCGAGGACCTGCGGCGGAGTGTCAAGCAGACTCCATCCCGCCCGCGG  
 ACACCTTCGAAGACCTCAGTGACGTGGAGGGGGTGGCTCGGAGCCACTCAGAGGGACG  
 CGGGCAGCCGCGATGAGAAAGCCGAGGCGGGAGAGGCGGGACAGGCCACGGCAGAGGCTG  
 AGTGTCACAGGACTCGGGAGACCCTGCCTCCGTTCCCGACACGCCCTCTGGAGCTGATTG  
 AGGGCTTTATGCTATCCAAGGGCCTGCTCACCGCTTGCAAACTGAAGGTGTTTCGATTTGT  
 TAAAAGATGAAGCACCCAGAAGGCTGCGGATATTGCCAGCAAAGTGGACGCCTCTGCGT  
 GTGGAATGGAGAGGCTTCTGGACATCTGTGCTGCCATGGGGCTCCTGGAGAAGACAGAGC  
 AAGGTTACAGTAACACAGAGACAGCGAAGCTCTACCTGGCATCGGATGGCGAATACTCTC  
 TGCACGGCTTCATCATGCACAATAATGACCTCACATGGAACCTCTTTACATACTGGAGT  
 TTGCCATCCGAGAGGGAACAACCAGCACCACAGGGCGTTGGGGAAGAAGCGGGAAGATC  
 TGTTCCAGGATGCGTACTACCAGAGCCCGGAGACGCGGCTGAGGTTTCATGCGGGCCATGC  
 ACGGCATGACGAAGCTGACTGCGTGCCAGGTGGCCACGGCCTTCAATCTGTCCCGTCTCT  
 CCTCCGCCTGCGACGTGGGAGGCTGCACCGGTGCACTGGCCCCGAGAGCTGGCCCCGTGAGT  
 ACCCTCGTATGCAGGTGACTGTGTTTGACCTCCCAGACATTATCGAGCTGGCCGCCCACT  
 TCCAACCCCCGGACCGCAGGAGTGCAGATCCACTTCGCAGCAGGTGACTTTTTTCAGGG  
 ACCCCCTCCCCAGCGTGTGAGTGTACGTCTGTGCCGGATCCTGCATGACTGGCCAGACG  
 ACAAAAGTCCACAAGTTACTCAGCAAGGTCGCCGAGAGTGAAGCCAGGGGCCCGCCTGC  
 TGCTGGTGGAGACGCTCCTGGATGAGGAGAAGAGGTGGCGCAGCGCCCTGATGCAGT  
 CACTGAACATGCTGGTGCAGACTGAAGGCAAGGAGCGGAGCCTGGGCGAGTATCAGTGCT  
 TGCTGGAGCTGCACGGCTTCCACCAGGTGCAGGTGGTGCCTGGGGGGTGTCTGGATG  
 CCATCTTGGCCACCAAAGTGGCCCCCTGAAGCCCAGGCAGCATGTTTATTATAGGGATGT  
 CCTCCCCAGGCTGCAGGTGGACCGCCCGTCCCCAAGTACCATAGGACAGTCACATAGG  
 AGCGTGTAGTCGTGACTGAATAAAGAAAGCAAAAGCCAAAAAAGCAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_004192

**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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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\\_004192.2](#), [NP\\_004183.2](#)

**RefSeq Size:** 2123 bp

**RefSeq ORF:** 1866 bp

**Locus ID:** 8623

**UniProt ID:** [O95671](#)

**Cytogenetics:** X;Y

**Domains:** Methyltransf\_2, Maf

**Gene Summary:** The protein encoded by this gene has an N-terminus that is similar to the multicopy associated filamentation (maf) protein of *Bacillus subtilis* and to orfE of *Escherichia coli*, while the C-terminus is similar to N-acetylserotonin O-methyltransferase. This gene is located in the pseudoautosomal region 1 (PAR1) of X and Y chromosomes. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2010]  
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).