

Product datasheet for **SC328919**

ASMTL (NM_001173473) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ASMTL (NM_001173473) Human Untagged Clone
Tag:	Tag Free
Symbol:	ASMTL
Synonyms:	ASMTLX; ASMTLY; ASTML
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:	<p>>NCBI ORF sequence for NM_001173473, the custom clone sequence may differ by one or more nucleotides</p> <pre> ATGGAGACCGCCAAGCAGAAGGCCCTGGAGGTGGCCAACCGGCTGTACCAGAAAGACCTG CGGGCCCCCGACGTGGTCATTGGAGCGGACACGATCGTGACAGTCGGGGGGCTGATTCTG GAGAAGCCGGTGGACAAGCAGGACGCCTACAGGATGCTGTCCCGTTGAGTGGGAGAGAA CACAGCGTGTTCACAGGTGTCGCGATCGTCCACTGCTCCAGCAAAGACCATCAGCTGGAC ACCAGGGTCTCGGAATTCTACGAGGAAACGAAGGTGAAGTTCTCGGAGCTGCCGAGGAG CTGCTCTGGGAATACGTCCACAGCGGGGAGCCCATGGACAAGCTGGCGGCTACGGGATC CAGGCCCTGGCGGCATGCTGGTGGAGTCCGTACACGGGACTTTCTGAACGTGGTGGGA TTCCCGCTGAACCACTTCTGCAAGCAGCTGGTGAAGCTCTACTACCCGCCCGTCCGGAG GACCTGCGGGGAGTGTCAAGCAGACTCCATCCCGGCCGCGACACCTTCAAGACCTC AGTGACGTGGAGGGGGCGGCTCGGAGCCCACTCAGAGGGACGCGGGCAGCCGCGATGAG AAGGCCGAGGCGGAGAGGCGGGACAGGCCACGGCAGAGGCTGAGTGTACAGGACTCGG GAGACCCTGCCTCCGTTCCGACACGCCTCCTGGAGCTGATTGAGGGCTTTATGCTATCC AAGGGCCTGCTCACCGCTTGCAAAGTGAAGGTGTTGATTGTTAAAAGATGAAGCACCC CAGAAGGCTGCGGATATTGCCAGCAAAGTGGACGCCTCTGCGTGTGGAATGGAGAGGCTT CTGGACATCTGTGCTGCCATGGGGCTCCTGGAGAAGACAGAGCAAGGTTACAGTAACACA GAGACAGCGAACCTCTACCTGGCATCGGATGGCGAATACTCTCTGCACGGCTTCATCATG CACAATAATGACCTCACATGGAACCTCTTTACATACCTGGAGTTTGCCATCCGAGAGGGA ACAAACCAGCACACAGGGCGTTGGGGAAGAAGGCGGAAGATCTGTTCCAGGATGCGTAC TACCAGAGCCCGGAGACGCGGCTGAGGTTTCATGCGGGCCATGCACGGCATGACGAAGCTG ACTGCGTGCCAGGTGGCCACGGCCTTCAATCTGTCCCGCTTCTCTCCGCTGCGACGTG GGAGGTGCACGGGTGCACTGGCCGAGAGCTGGCCCGTGAAGTACCCTCGTATGCAGGTG ACTGTGTTTGACCTCCCAGACATTATCGAGCTGGCCGCCCACTTCCAACCCCGGACCCG CAGGCAGTGCAGATCCACTTCGCAGCAGGTGACTTTTTAGGGACCCCTCCCCGCGCT GAGCTGTACGTCCTGTGCCGGATCCTGCATGACTGGCCAGACGACAAAGTCCACAAGTTA CTCAGCAGGGTCGCCGAGAGCTGCAAGCCAGGGGCCGCGCCTGCTGCTGGTGGAGACGCTC CTGGATGAGGAGAAGAGGGTGGCGCAGCGCCCTGATGCAGTCACTGAACATGCTGGTG CAGACTGAAGGCAAGGAGCGGAGCCTGGGCGAGTATCAGTGCTTGTGGAGCTGCACGGC TTCCACCAGGTGCAGGTGGTGCACCTGGGGGTGCTCCTGGATGCCATCTTGGCCACCAA GTGGCCCCCTGA </pre>
Restriction Sites:	Please inquire
ACCN:	NM_001173473
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_001173473.1](#), [NP_001166944.1](#)

RefSeq Size: 2064 bp

RefSeq ORF: 1692 bp

Locus ID: 8623

UniProt ID: [O95671](#)

Cytogenetics: X;Y

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 (2) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (2) is shorter at the N-terminus compared to isoform 1.