

Product datasheet for **SC328973**

ASMTL (NM_001173474) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ASMTL (NM_001173474) Human Untagged Clone
Tag:	Tag Free
Symbol:	ASMTL
Synonyms:	ASMTLX; ASMTLY; ASTML
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

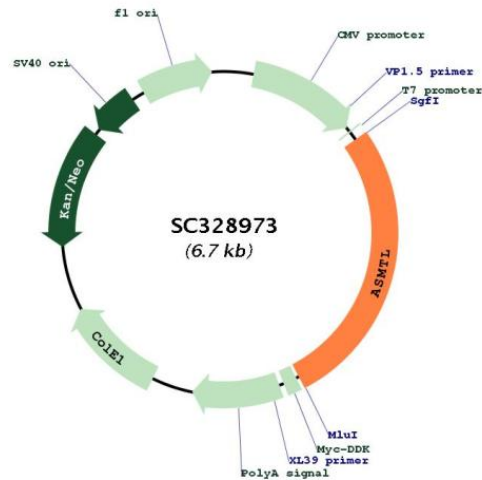


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Fully Sequenced ORF: >SC328973 representing NM_001173474.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGTCTGTGCCCGGTGATTGGGAAGCTGCTGCACAAGCGCGTGGTCTGGCCAGCGCCTCCCCACGC
CGTCAGGAGATCCTCAGCAACGCGGGTCTCAGGTTTGGAGTGGTCCCTCCAAGTTAAAGAGAAGCTG
GACAAAGCCTCCTTCGCTACTCCGTATGGGTACGCCATGGAGACCGCCAAGCAGAAGGCCCTGGAGGTG
GCCAACCGGCTGTACCAGACAGTCGGGGGGCTGATTCTGGAGAAGCCGGTGGACAAGCAGGACGCCTAC
AGGATGCTGTCCCGTTGAGTGGGAGAGAACACAGCGTGTTCACAGGTGTCGCGATCGTCCACTGCTCC
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ATCCAGGCCCTGGGCGCATGCTGGTGGAGTCCGTACACGGGGACTTTCTGAACGTGGTGGGATTCCCG
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TTGGCCACCAAAGTGGCCCCCGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_001173474

Insert Size: 1818 bp

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_001173474.1](#)

RefSeq Size: 2101 bp

RefSeq ORF: 1818 bp

Locus ID: 8623

UniProt ID: [O95671](#)

Cytogenetics: X;Y

MW: 67.2 kDa

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 (3) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (3) has the same N- and C-termini but is shorter compared to isoform 1.