

Product datasheet for **RG230335**

ASMTL (NM_001173474) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ASMTL (NM_001173474) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ASMTL
Synonyms:	ASMTLX; ASMTLY; ASTML
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG230335 representing NM_001173474
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTGTGTGCCGGTGATTGGGAAGCTGCTGCACAAGCGCGTGGTGTGGCCAGCGCCTCCCCACGCC
 GTCAGGAGATCCTCAGCAACCGGGTCTCAGGTTTGAGGTGGTCCCTCCAAGTTTAAAGAGAAGCTGGA
 CAAAGCCTCCTTCGCTACTCCGTATGGGTACGCCATGGAGACCGCAAGCAGAAGGCCCTGGAGGTGGCC
 AACCGGCTGTACCAGACAGTCGGGGGGCTGATTCTGGAGAAGCCGGTGGACAAGCAGGACGCCTACAGGA
 TGCTGTCCCGTTGAGTGGGAGAGAACACAGCGTGTTCACAGGTGTGCGGATCGTCCACTGCTCCAGCAA
 AGACCATCAGCTGGACACCAGGGTCTCGGAATTCTACGAGGAAACGAAGGTGAAGTTCTCGGAGCTGTCC
 GAGGAGCTGCTCTGGGAATACGTCCACAGCGGGAGCCCATGGACAAAGCTGGCGGCTACGGGATCCAGG
 CCCTGGGCGGCATGCTGGTGGAGTCCGTACACGGGGACTTCTGAACGTGGTGGGATTCCCCTGAACCA
 CTTCTGCAAGCAGCTGGTGAAGTCTACTACCCGCCCGTCCGGAGGACCTGCGGCGGAGTGTCAAGCAC
 GACTCCATCCCGGCCCGGACACCTTCAAGACCTCAGTGACGTGGAGGGGGCGGCTCGGAGCCCACTC
 AGAGGGACGCGGGCAGCCGCGATGAGAAGGCCGAGGCGGGAGAGGCGGGACAGGCCACGGCAGAGGCTGA
 GTGTCACAGGACTCGGGAGACCTGCCTCCGTTCCCGACACGCCTCCTGGAGCTGATTGAGGGCTTTATG
 CTATCCAAGGGCTGCTCACCCTTGCAAAGTGAAGGTGTTGATTTGTTAAAAGATGAAGCACCCCAAGA
 AGGCTGCGGATATTGCCAGCAAAGTGGACGCCTCTGCGTGTGGAATGGAGAGGCTTCTGGACATCTGTGC
 TGCCATGGGGCTCCTGGAGAAGCAGAGCAAGTTACAGTAACACAGAGACAGCGAACGTCTACCTGGCA
 TCGGATGGCGAATACTCTGACCGCTCATCATGCACAATAATGACCTCACATGGAACCTCTTTACAT
 ACCTGGAGTTTGGCATCCGAGAGGGAACAAACAGCACCACAGGGCGTTGGGAAGAAGCGGAAGATCT
 GTTCCAGGATGCGTACTACCAGAGCCCGGAGACGCGGCTGAGGTTTCATGCGGGCCATGCACGGCATGACG
 AAGCTGACTGCGTGCCAGGTGGCCACGGCTTCAATCTGTCCCGCTTCTCCTCCGCTGCGACGTGGGAG
 GCTGCACGGGTGCACTGGCCGAGAGCTGGCCCGTGAAGTACCCTCGTATGCAGGTGACTGTGTTGACCT
 CCCAGACATTATCGAGCTGGCCGCCACTTCCAACCCCGGACCGCAGGCAGTGCAGATCCACTTCGCA
 GCAGGTGACTTTTTAGGGACCCCTCCCAGCGCTGAGCTGTACGTCTGTGCCGGATCCTGCATGACT
 GGCCAGACGACAAAGTCCACAAGTACTCAGCAGGTCGCGGAGAGCTGCAAGCCAGGGGCCGCGCTGCT
 GCTGGTGGAGACGCTCCTGGATGAGGAGAAGAGGGTGGCGAGCGGCCCTGATGCAGTCACTGAACATG
 CTGGTGCAGACTGAAGGCAAGGAGCGGAGCCTGGGCGAGTATCAGTGCTTGTGGAGCTGCACGGCTTCC
 ACCAGGTGCAGGTGGTGCCTTGGGGGTGCTCCTGGATGCCATCTTGCCACCAAAGTGGCCCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG230335 representing NM_001173474
 Red=Cloning site Green=Tags(s)

MVLCPIVIGKLLHKRVVLASAPRRQEILSNAGLRFVVPVSKFKEKLDKASFATPYGYAMETAKQKALEVA
 NRLYQTVGGILEKPVDKQDAYRMLSRLSGREHSVFTGVAIVHCSKDHQLDTRVSEFYETKVKFSELS
 EELLWEYVHSGEPMKAGGYGIQALGGMLVESVHGDFLNVVGFPLNHFCKQLVKLYPPRPEDLRRSVKH
 DSIPAADTFEDLSDVEGGGSEPTQRDAGSRDEKAEAGEAGQATAEAECRTRETLPPFPTRLELEIEGFM
 LSKGLLTACKLKVFDLLKDEAPQKAADIASKVDASACGMERLLDICAAMGLLEKTEQYSNTETANVYLA
 SDGEYSLHGFIMHNNDL TWNLF TYLEFAIREGNTQHHRALGKKAEDLFQDAYYQSPETRLRFMRAMHGMT
 KLTACQVATAFNLSRFSSACDVGGCTGALARELAREYPRMQVTVFDPDIIELAAHFQPPGPQAVQIHFA
 AGDFFRDPLPSAELYVLCRILHDWPDDKVHKLRSVAESCKPGALLLVETLLDEEKRVAQRALMQSLNM
 LVQTEGKERSLGEYQCLELHGFHQVQVHLLGGVLDAILATKVAP

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001173474

ORF Size: 1815 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001173474.2](#)

RefSeq Size: 2101 bp

RefSeq ORF: 1818 bp

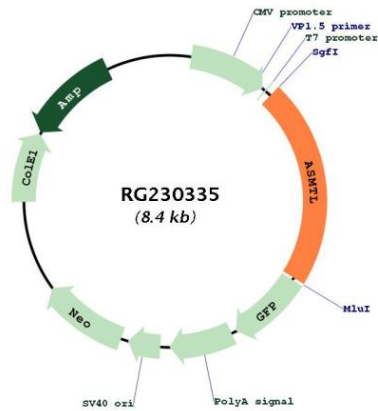
Locus ID: 8623

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]

Product images:


Circular map for RG230335