**OriGene Technologies, Inc.**
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

# Product datasheet for SC336537

## ATE1 (NM_001288736) Human Untagged Clone

### Product data:

| | |
|---|---|
| **Product Type:** | Expression Plasmids |
| **Product Name:** | ATE1 (NM_001288736) Human Untagged Clone |
| **Tag:** | Tag Free |
| **Symbol:** | ATE1 |
| **Mammalian Cell Selection:** | Neomycin |
| **Vector:** | pCMV6-Entry (PS100001) |
| **E. coli Selection:** | Kanamycin (25 ug/mL) |

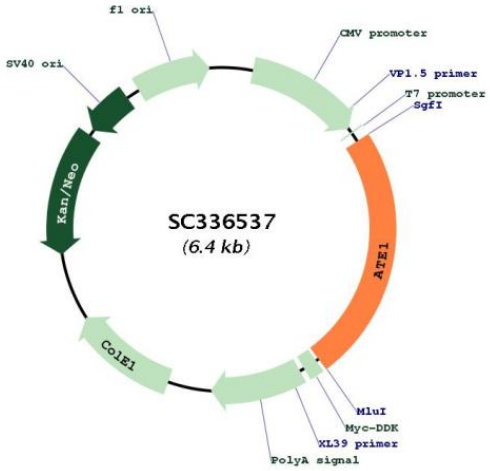
**Fully Sequenced ORF:**

>SC336537 representing NM_001288736.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGTCGGTGGTGGAATACAAGGGCCTCAGGGCCGGCTACCACTGCGGCTACTGCGATTCCAAGGAG
GGCAAAGCGTCCTGCGGCATGTGGGCACATTCCATGACAGTACAGGATTATCAGGATCTCATAGACCGA
GGATGGCGAAGAAGTGGAAAATATGTGTACAAACCTGTCATGAATCAAACATGTTGTCCTCAGTACACA
ATAAGGTGCCGACCTTTACAATTTCAGCCTTCAAAATCTCACAAGAAGGTTTTGAAAAAAATGTTGAAA
TTTCTAGCTAAAGGGGAGGTTCCCAAAGGAAGTTGTGAGGATGAGCCCATGGATTCCACAATGGATGAT
GCTGTTGCGGGTGACTTTGCATTGATAAATAAACTGGATATACAGTGTGATCTTAAAACACTCAGTGAT
GACATCAAAGAGAGTTTAGAGAGTGAAGGAAAAAATTCAAAGAAAGAAGAACCTCAGGAATTACTTCAG
TCACAAGATTTCGTAGGAGAGAAGTTGGGCTCTGGTGAACCGTCACATTCAGTTAAAGTTCACACAGTT
CCTAAGCCAGGCAAAGGGGCTGATTTGAGTAAGCCTCCATGTCGAAAAGCAAAGGAAATCCGGAAAGAA
AGGAAAAGGTTAAAACTAATGCAGCAGAACCCAGCTGGAGAACTTGAGGGTTTCCAGGCTCAAGGTCAC
CCACCATCTTTGTTTCCACCAAAGGCTAAATCCAACCAGCCAAAATCACTCGAAGATTTAATTTTTGAG
TCTTTACCAGAGAATGCATCACACAAGTTAGAGGTGAGGTTAGTACCTGTCTCCTTTGAGGACCCAGAG
TTCAAGTCGTCTTTCAGCCAGTCCTTTTCTTTGTATGTCAAGTATCAAGTGGCCATACACCAGGATCCA
CCCGATGAATGTGGGAAGACTGAGTTCACAAGATTCCTTTGCAGTTCACCCTTGGAGGCAGAGACTCCC
CCTAATGGGCCAGATTGTGGCTATGGCTCCTTTCACCAGCAGTACTGGCTTGACGGAAAGATCATTGCT
GTGGGGGTGATTGACATCCTCCCAAACTGTGTATCATCTGTGTATTTGTACTACGATCCTGATTATTCG
TTTTTGTCTTTGGGCGTCTACTCTGCACTACGAGAAATTGCTTTTACTAGGCAGCTTCATGAGAAAACT
TCTCAACTCAGCTATTATTATATGGGTTTCTACATTCATTCATGTCCCAAGATGAAATATAAGGGTCAG
TATAGACCTTCTGATTTGCTGTGCCCTGAGACATATGTTTGGGTACCCATTGAGCAATGCCTGCCTTCA
CTTGAAAACTCCAAGTACTGCCGTTTCAACCAGGACCCAGAAGCAGTGGATGAGGATCGCAGTACGGAA
CCTGACCGATTGCAGGTGTTTCACAAGAGAGCCATCATGCCTTACGGTGTTTATAAGAAACAGCAGAAA
GACCCAAGTGAGGAGGCTGCTGTTCTGCAGTACGCCAGCCTGGTGGGGCAGAAGTGCTCCGAGCGGATG
CTGCTGTTCAGAAACTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

**Restriction Sites:** SgfI-MluI

**Plasmid Map:**




**ACCN:** NM_001288736

| | |
|---|---|
| **Insert Size:** | 1536 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). |
| **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.<br>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.<br>3. Close the tube and incubate for 10 minutes at room temperature.<br>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.<br>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_001288736.1 |
| **RefSeq Size:** | 5165 bp |
| **RefSeq ORF:** | 1536 bp |
| **Locus ID:** | 11101 |
| **UniProt ID:** | O95260 |
| **Cytogenetics:** | 10q26.13 |
| **MW:** | 58.1 kDa |
| **Gene Summary:** | This gene encodes an arginyltransferase, an enzyme that is involved in posttranslational conjugation of arginine to N-terminal aspartate or glutamate residues. Conjugation of arginine to the N-terminal aspartate or glutamate targets proteins for ubiquitin-dependent degradation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2013]<br>Transcript Variant: This variant (5) differs in the 5' UTR and coding region, and uses an alternate in-frame exon in the central coding region, compared to variant 1. The encoded isoform (5) has a shorter and distinct N-terminus and a unique internal segment, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments. |