

Product datasheet for **RG238001**

ATE1 (NM_001288734) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ATE1 (NM_001288734) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ATE1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG238001 representing NM_001288734. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGATTCCACAATGGATGATGCTGTTGCGGGTGACTTTGCATTGATAAAATAAACTGGATATACAGTGT
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GTTTATAAGAAACAGCAGAAAGACCCAAGTGAGGAGGCTGCTGTTCTGCAGTACGCCAGCCTGGTGGGG
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



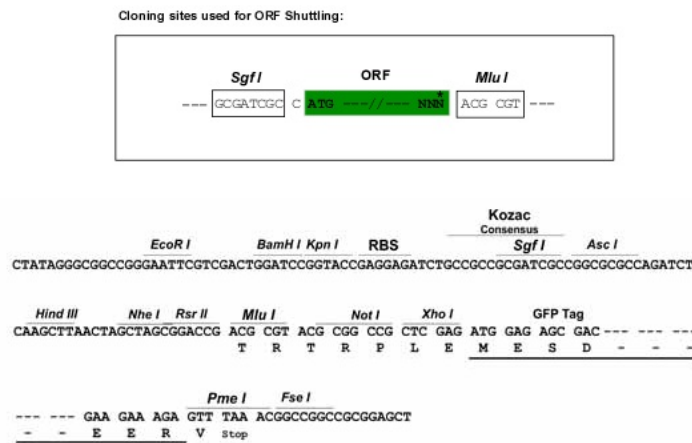
[View online »](#)

Protein Sequence: >Peptide sequence encoded by RG238001
 Blue=ORF Red=Cloning site Green=Tag(s)

MDSTMDDAVAGDFALINKLDIQCDLKTLSDDIKESLESEGKNSKKEEPQELLQSQDFVGEKLGSGEPESH
 SVKVHTVPKPGKADLSKPPCRKAKEIRKERKRLKLMQQNPAGELEGFQAQGHPPSLFPPKAASNQPKS
 LEDLIFESLPENASHKLEVRVRSPPSSQFKATLLESYQVYKRYQMVIHKNPPDPTESQFTRFLCSS
 PLEAETPPNGPDCGYGSFHQQYWLDGKI IAVGVIDILPNCVSSVLYYDPDYSFLSLGVYSALREIAFT
 RQLHEKTSQLSYYMGFYIHSCPKMKYKQYRPSDLLCPETYVWVPIEQCLPSLENSKYCRFNQDPEAV
 DEDRSTEPDRLQVFKRAIMPYGVYKQKQKDPSEEA AVLQYASLVGQKCSERM L LFRN
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001288734

ORF Size: 1209 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).

RefSeq: [NM_001288734.1](#), [NP_001275663.1](#)

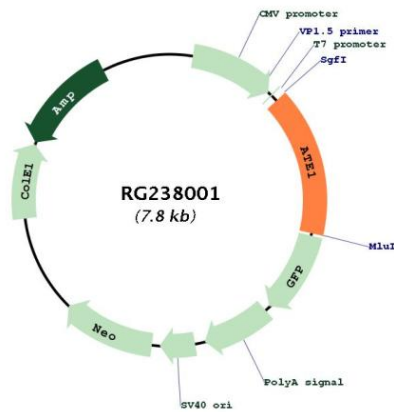
RefSeq Size: 4826 bp

RefSeq ORF: 1212 bp
 Locus ID: 11101
 UniProt ID: [O95260](#)
 Cytogenetics: 10q26.13

MW: 46.3 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]

Product images:



Circular map for RG238001