

Product datasheet for **RC217013**

ATE1 (NM_001001976) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ATE1 (NM_001001976) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ATE1
Synonyms:	MGC26724
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide
Sequence:

>RC217013 representing NM_001001976
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGGATCGCC

ATGGCTTCTGGCGGGGGTTCGCCAGCGTCGTGGACTATTTCCCTAGCGAGGACTTCTACCGCTGCC
GCTACTGCAAGAACGAGTCGGGCAGCCCTCCAATGGCATGTGGGCACATTCCATGACAGTACAGGATTA
TCAGGATCTCATAGACCGAGGATGGCGAAGAAGTGAAAAATATGTGTACAAACCTGTCATGAATCAAACA
TGTTGTCTCAGTACACAATAAGGTGCCGACCTTTACAATTTACGCTTCAAAATCTCACAAGAAGGTTT
TGAAAAAATGTTGAAATTTCTGGCTAAAGGGGAGTTCCCAAAGGAAGTTGTGAGGATGAGCCCATGGA
TTCCACAATGGATGATGCTGTTGCGGGTACTTTGCATTGATAAATAAACTGGATATACAGTGTGATCTT
AAAACACTCAGTATGACATCAAAGAGAGTTTAGAGAGTGAAGGAAAAAATCAAAGAAAGAAGAACCTC
AGGAATTACTTACAGTACAAGATTTTCGAGGAGAGAAGTTGGGCTCTGGTGAACCGTCACATTAGTTAA
AGTTACACAGTTCTAAGCCAGGCAAAGGGGCTGATTTGAGTAAGCCTCCATGTCGAAAAGCAAAGGAA
ATCCGGAAAGAAAGGAAAAGGTTAAAACTAATGCAGCAGAACCCAGCTGGAGAATTTGAGGGTTTCCAGG
CTCAAGGTCACCCACCATCTTTGTTTCCACCAAAGGCTAAATCCAACCCAGCCAAAATCACTCGAAGATT
AATTTTGTAGTCTTTACCAGAGAATGCATCACACAAGTTAGAGGTGAGGGTGGTGAATCATCTCCACCA
AGTTCCGAGTTCAAAGCCACACTTCTGGAGTCTTACCAGGTCTATAAACGTTACCAGATGGTTATTCACA
AGAACCACCTGATACGCCAACCCGAAAGCCAGTTACACAAGATTCCTTTGCAGTTACCCCTTGAGGCAGA
GACTCCCCTAATGGGCCAGATTGTGGCTATGGCTCCTTCCACAGCAGTACTGGCTTGACGGAAAGATC
ATTGCTGTGGGGTATTGACATCCTCCCAAAGTGTATCATCTGTGTATTTGACTACGATCTGATT
ATTCGTTTTTGTCTTTGGGCTACTCTGCACACTACGAGAAATGCTTTTACTAGGCAGTTTCATGAGAA
AACTTCTCAACTCAGCTATTATTATATGGGTTTCTACATTCATTATTCATGTCGCAAGATGAAATATAAGGGT
CAGTATAGACCTTCTGATTTGCTGTGCCTGAGACATATGTTGGGTACCCATTGAGCAATGCCTGCCTT
CACTTGAAAACCTCAAGTACTGCCGTTTCAACCAGGACCCAGAAGCAGTGGATGAGGATCGCAGTACGGA
ACCTGACCGATTGCAGGTGTTTCAAGAGAGCCATCATGCCTTACGGTGTATAAAGAAACAGCAGAAA
GACCCAAGTGAGGAGGCTGCTGTTCTGCAGTACGCCAGCCTGGTGGGCAGAAGTGTCCGAGCGGATGC
TGCTGTTCAGAAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC217013 representing NM_001001976
Red=Cloning site Green=Tags(s)

MAFWAGGSPSVVDYFPSEDFYRCGYCKNESGSRNMGWAHSMTVQDYQDLIDRGWRRSGKYVYKPVMNQT
CCPQYTIRCRLQFQPSKSHKKVLKMLKFLAKGEVPGKSCDEPMDSTMDDAVAGDFALINKLDIQCDL
KTLSDDIKESLESEGKNSKKEEPQELLQSQDFVGEKLGSGEPSSVVKVHTVPKPGKADLSKPPCRKAKE
IRKERKRLKLMQONPAGELEGFQAQGHPPSLFPPKAKSNQPKSLEDLIFESLPENASHKLEVRVVRSSPP
SSQFKATLLESYQVYKRYQMVIHKNPPDTPTESQFTRFLCSSPLEAETPPNGPDCGYGSFHQQYWLDKI
IAVGVIDILPNCVSSVYLYYDPDYSFLSLGVYSALREIAFTRQLHEKTSQLSYYMIFYIHSCPKMKYKG
QYRPSDLLCPETYVWVPIEQCLPSLENSKYCRFNQDPEAVDEDRSTEPDRLQVPHKRAIMPYGVYKQKQK
DPSEEA AVLQYASLVGQKCSERMLLFRN

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

ACCN:	NM_001001976
ORF Size:	1554 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.
RefSeq:	NM_001001976.1 , NP_001001976.1
RefSeq Size:	2224 bp
RefSeq ORF:	1557 bp
Locus ID:	11101
MW:	58.9 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]