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 RR214527

Adam11 (NM_001108300) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adam11 (NM_001108300) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Adam11
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

ORF Nucleotide Sequence:

>RR214527 representing NM_001108300
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGGAGCCCGGAGAGTCCAGAGGGCCCTGAGGTCACAGAGCCCAGCCGGCTGGTAAGGGAGAGCTCCG
GGGGAGAGGTCCGAAAGCCACAGTTGGACACCAGGGTCCGCCAGGATCCACCCAGGGGGACGCCTGTTCA
CCTGGCCCAGGTGAGTTTCGTCATCCCAGCCTTCGACTCAAACTTCACTCTGGACCTGGAGCTAAACCAT
CACCTCCTGTCCTCGCAGTATGTGGAACGCCACTTCAGCCGTGAGGGGACAAGGCAACACAGTACTGGGG
CTGGAGACCACTGTTACTACCACGGGAAACTCCGTGACAACCCACACTCCTTTGCTGCACTCTCTACCTG
CCAGGGGCTGCATGGGGTCTTCTCTGATGGCAACCTGACTTACATCGTAGAGCCTAAGGAGATGGCTGGG
CCTTGGGGACCCCCACAGGGACCCCTTCCCCACCTCATTTACCGGACCCCTCTCCTCCCAGCCCCCTTTG
GATGCAGGGAACCAGGCTGCCTGTTTGCAGTCCCTGCCCAGTCTGCTGCCCCCAGCCGGCCCAAGCTAAG
AAGGAAAAGGCAGGTCCGCAGGGGCCACCCCACGGTGCACAGCGAGACCAAGTATGTGGAGTTGATTGTG
ATCAACGACCACCAGCTGTTTGAGCAGATGCGGCAGTCTGTGGTCCTCACCAGCAACTTTGCAAAATCTG
TTGTGAACCTGGCAGACGTGATATACAAGGAACAGCTCAACACAAGAATTGTGCTGGTTGCCATGGAGAC
GTGGGCAGATGGGGACAAGATCCAGGTGCAGGATGACCTACTGGAGACCCTGGCCCGGCTTATGGTCTAC
CGGCGGGAAGGTCTGCCTGAGCCCAGTGATGCCACCCACCTCTTCTCGGGTCGGACCTTCCAGAGCACCA
GCAGCGGGGCGGCCTACGTAGGCGGTATCTGTTCACTGTCCAGGGGTGGAGGTGTAAACGAGTATGGCAA
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CGGAGCTCAGCAGGGGACTGCAAGTGTCCAGACATCTGGCTGGGCTGCATCATGGAGGACACAGGGTTCT
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TTGCCTGTTCAACAAGCCCCTCAAGCTCCTGGACCCTCCCGAGTGCGGGAACGGCTTCGTGGAGGCCGGG
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TGACGCACGACGCCATGTGCAGCGACGGGCTCTGCTGTCGCCGCTGCAAGTATGAGCCACGAGGTGTCTC
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AACCTTCACAAGCTGGATGGTTACTACTGTGATCACGAGCAGGGTCGATGCTATGGAGGCCGCTGTAAAA
CCCGGGACCGGCAGTGCCAAGCCCTATGGGGCCATGTGGCTGCGGATCGTTTCTGCTACGAGAAGCTGAA
TGTAGAGGGGACAGAGCGTGGAAATTGTGGGCGCAAGGGATCTGGTTGGGTCCAGTGCAACAAGCAGGAT
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TGCCTGCCGGCCTCCGCCTTCAACTTCAGCACCTGCCCCGGAAGCGGAGAGCGACGGATCTGCTCCCATC
ATGGGGTTTGCAGCAACGAAGGGAAGTGTATCTGTCAGCCAGACTGGACAGGCAAAGACTGCAGTATTCA
CAACCCACTGCCCACATCCCCTCCCACCGGGGAGACTGAGAGATACAAAGGTCCCAGCGGTACCAACATC
ATCATTGGCTCCATCGCCGGGGCTGTCCTGGTCGCAGCCATCGTCCTGGGCGGCACGGGCTGGGGATTTA
AAAACATCCGTCGCGGAAGGTATGACCCGACCCAGCAGGGGGCAGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

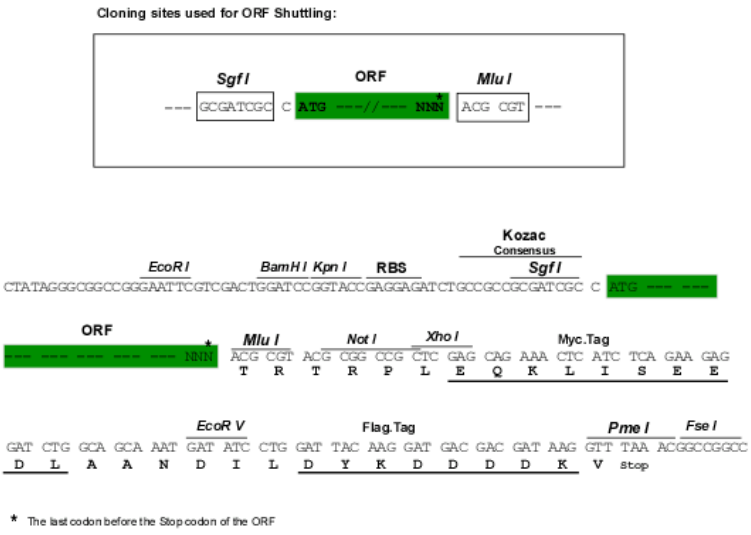
>RR214527 representing NM_001108300
Red=Cloning site Green=Tags(s)

MGSPESPEGPEVTEPSRLVRESSGGEVRKPQLDTRVRQDPPRGTPVHLAQVSFVIPAFDSNFTLDLELNH
HLLSSQYVERHFSREGTRQHSTGAGDHCYYHGKLRDNPHSFAALSTCQGLHGVFSDGNLTYIVEPKEMAG
PWGPPQGPLPHLIYRTPLLPAPFGCREPGCLFAVPAQSAAPSRPKLRRKRQVRRGHPTVHSETKYVELIV
INDHQLFEQMRQSVVLTSNFAKSVVNLADVIYKEQLNTRIVLVAMETWADGDKIQVQDDLLETLARLMVY
RREGLPEPSDATHLFSGRTFQSTSSGAAYVGGICSLSRGGGVNEYGNMGAMAVTLAQTLGQNLGMMWNKH
RSSAGDCKCPDIWLGCIMEDTGFYLPRKFSRCSIDEYNQFLQEGGGSCLFNKPLKLLDPPECGNGFVEAG
EECDCGSVQECSRAGGNCCKKCTLTHDAMCSDGLCCRRCKYEPRGVSCREAVNECDIAETCTGDSSQCPP
NLHKLDGYYCDHEQGRCYGGRCKTRDRQCQALWGHVAADRFCYEKLNVEGTERGNCGRKGSGWVQCNKQD
VLCGFLLCVNISGAPRLGDLGGDISSVTFYHQGKELDCRGGHVQLADGSDLSYVEDGTACGPNMLCLDHR
CLPASAFNFSTCPGSGERRICSHHGVCSNEGKCICQPDWTGKDCSIHNPLPTSPPTGETERYKGPSGTNI
IIGSIAGAVLVAAIVLGGTGWGFKNIRRGRYDPTQQGAV

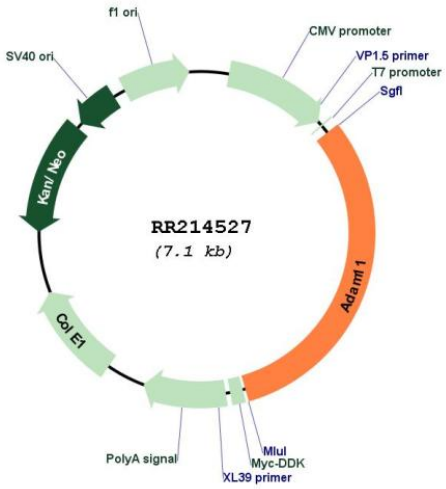
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001108300
ORF Size:	2217 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_001108300.1, NP_001101770.1
RefSeq Size:	2528 bp
RefSeq ORF:	2220 bp

Locus ID:	360638
Cytogenetics:	10q32.1
MW:	80.7 kDa