

Product datasheet for **RR205647**

Amd1 (NM_031011) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Amd1 (NM_031011) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Amd1
Synonyms: Amd1a; Amd1b
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR205647 representing NM_031011
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGAAGCTGCACATTTTTTCGAAGGGACCGAGAACTGCTGGAGGTCTGGTTCTCCAGACAGCAGTCCG
ACGCAAGCCAGGGATCTGGGACCTTCGTACCATCCCAAGATCCGAGTGGGATGTCCTTCTGAAGGATGT
GCAGTGTCAATCATAAGTGTGACAAAGACTGACAAGCAGGAAGCTTATGTACTCAGTGAGAGTAGCATG
TTTGTCTCCAAGAGACGTTTCATTTTGAAGACATGTGGTACCACCTCTTACTGAAAGCACTGGTCCCC
TGTTGAAGCTTGCTAGGGACTACAGTGGTTTTGACTCGATTCAAAGCTTCTTTTATTCTCGTAAGAATTT
CATGAAGCCTTCTACCAAGGGTACCCACACCGGAATTTCCAGGAAGAAATCGAGTTTCTTAATGCAATT
TTCCCAAACGGAGCAGCATATTGTATGGGACGTATGAATTCTGACTGTTGGTACCTGTACACTTTGGATC
TCCCAGAGAGCCGAGTAATCAATCAGCCAGATCAAACCTGGAATTTCTGATGAGTGAGCTTGACCCAGC
AGTTATGGACCAGTCTACATGAAAGATGGTGTACTGCAAAGGATGTCACCTCGTGAGAGTGGAATTCGT
GACCTGATACCAGTTCGTGATTGATGCCACACTGTTCAATCCTTGTGGCTACTCAATGAATGGAATGA
AATCGGATGGAACATATTGGACTATTCACATCACTCCAGAACCAGAATTTCTTATGTTAGCTTTGAAAC
AAACCTAAGTCAGACCTCCTATGACGACCTGATCAGGAAAGTTGTGGAAGTCTTCAAGCCAGGAAAATTT
GTGACCACCTTGTGTTAATCAGAGTTCTAAGTGTGCGACAGTCTTTCTTCGCCCCAGAAGATTGACG
GTTTCAAACGTCTTGATTGCCAGAGCGCTATGTTCAACGATTACAATTTTGTGTTTACCAGTTTTGCTAA
GAAACAGCAACAACAGAGT

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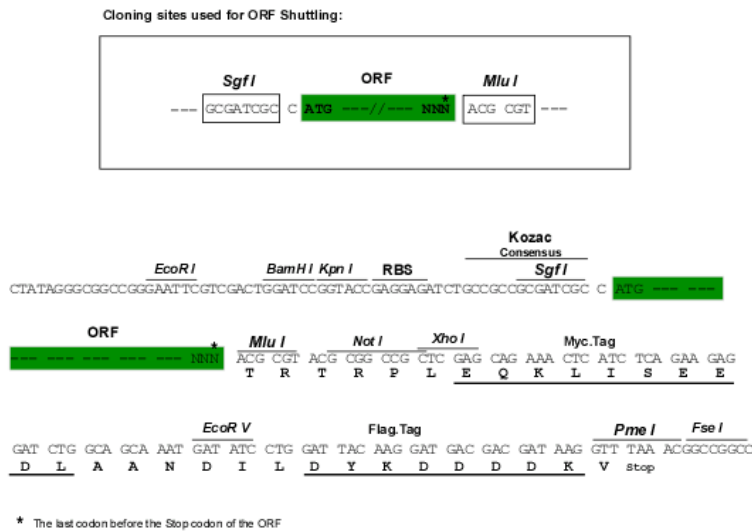
Protein Sequence: >RR205647 representing NM_031011
Red=Cloning site Green=Tags(s)

MEAAHFFEGTEKLLLEVWFSRQQSDASQGSGLRTIPRSEWDVLLKDVQCSIIISVTKTDKQEAYVLSSESM
 FVSKRRFILKTCGTTLLKALVPLLKLARDYSGFDSIQSFFYSRKNFMKPSHQGYPHRNFQEEIEFLNAI
 FPNGAAYCMGRMNSDCWLYLTLDLPESRVINQPDQTLIELMSELDPAVMDQFYMKDGVTAKDVTRESGIR
 DLIPGSVIDATLFPNCPGYSMNGMKSDGTWYTIHITPEPEFSYVSFETNLSTSYDDLIRKVVVEVFKPGKF
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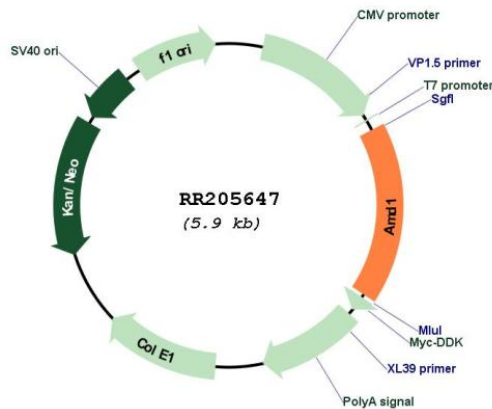
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_031011

ORF Size: 999 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:	<ol style="list-style-type: none">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_031011.3 , NP_112273.3
RefSeq Size:	3170 bp
RefSeq ORF:	1002 bp
Locus ID:	81640
UniProt ID:	P17708
Cytogenetics:	20q12
MW:	38.1 kDa
Gene Summary:	ubiquitous enzyme found in nearly all mammalian cells; may be involved with cell growth [RGD, Feb 2006]