

## Product datasheet for **RR217164**

### Adam10 (NM\_019254) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Adam10 (NM_019254) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Adam10
Synonyms:	MADM
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR217164 representing NM\_019254  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGTGTGGCCGACAGTGTAAATCTGCTCCTCTCCTGGCGCGGGGCTGGGAGGTCAGTATGGAATC  
 CTTTAAATAAATATATTAGACATTATGAAGGATTATCTTACAATGTGGATTCATTACACCAAAAACACCA  
 GCGTGCCAAACGAGCAGTCTCACACGAGGACCAGTTTTTACTTCTAGATTTCCATGCTCATGGAAGACAA  
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 TACTTGATTATGATACCTCTCATATTTACTGGACATATTTATGGTGAAGAAGGAACTTTAGTCATGG  
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 GAGAGATATATTAAGACCGAATCCTGCCGTTTCACTCTGTCTTTATCATGAAGATGATTAACATC  
 CCCATAAATACGGCCACAGGGGGCTGTGCAGATCACTCCGCTTTTAAAGGATGAGGAAATACCAAT  
 GACTGGAGTAGAGGAAGGAACTCGGCACATTCAGAGGAGCATGCTGCTAGTATGGTCTGAGCTCCTG  
 AGGAAAAAGCGCACAACTCTGGCTGAGAGAAACTTGTGAGCTCTATATCCAGACAGATCACCTGTTCT  
 TTAATACTATGGAACACGAGAAGCTGTGATTGCTCAGATATCCAGTCATGTTAAAGCAATTGATACAAT  
 TTACCAGACTACAGACTTCTCCGGAATCCGTAACATCAGCTTTATGGTGAACGCATAAGAATCAATACA  
 ACATCTGATGAAAAAGATCTACAAATCCTTTCCGTTTCCCAATATTGGTGTGGAGAAGTTCTGGAGT  
 TGAATTCAGCAGAATCATGATGACTACTGCTTGGCCTATGTCTTACGGACCGGGATTTTGTGATGG  
 TGTCTTGGTCTGGCATGGTGGAGCACCTTCAGGAAGCTCTGGAGGAATATGTGAGAAAAGCAAGTTG  
 TATTCAGATGGCAAGAAGAAGTCATTGAACACGGGCATCATTACTGTTTCAAGACTATGGCTCTCAGTGC  
 CTCCCAAAGTCTCTCATATTACTTTTGTCTCATGAAGTTGGACATAACTTTGGATCTCCACATGATTCTGG  
 AACAGAGTGCACCTCCAGGAGAGTCTAAGAACTTAGGACAAAAAGAAAATGGCAATTACATCATGTATGCG  
 AGAGCAACGTCTGGGACAACTTAACAACAACAATTTTCACTCTGCAGCATTAGGAACATAAGCCAAG  
 TGCTTGAGAAGAAGGAACAAGTGTGTTTGTGAACTGGCCAGCCTATCTGTGAAATGGGATGGTGGGA  
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 TCTCCATGTAATGACTTCAGAGGCTACTGTGATGTTTTTATGCGGTGCAGATTAGTAGATGCTGATGGCC  
 CTCTAGCTAGGCTGAAAAAGCAATTTTGTCCACAACCTATGAAAACATTGCTGAGTGGATTGTGGC  
 TCACTGGTGGGACAGTACTGCTTATGGGAATTGCCTGATCATGCTAATGGCTGGATTATCAAGATTTGC  
 AGTGTTCACACTCCAAGTAGTAATCCAAGTTGCCTCCTCTAAACCCTTCCAGGCACTTTAAAGAGGA  
 GGAGACCCACAGCCATTTCAGCAGCCCCCGCTCAGAGGCCCGGGAGAGTTATCAAATGGGACACAT  
 GCGACGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR217164 representing NM\_019254  
 Red=Cloning site Green=Tags(s)

```
MVLPTVLILLLSWAAGLGGQYGNPLNKYIRHYEGLSYNVDSLHQKHQRAKRAVSHEDQFLLLDFHAHGRQ
FNLRMKRDTSLFSDFEKVVTSNKVLDYDTSHIYTGHIYGEESFSGSVVDGRFEGFIQTRGGTFYIEPA
ERYIKDRILPFHVSIIYHEDDINYPHKYGPQGCCADHSVFERMRKYQMTGVEEGTRAHSEEHAASMGPELL
RKKRTTLAERNTCQLYIQTDHLFFKYYGTREAVIAQISSHVKAIDTIYQTTDFSGIRNISFMVKRIRINT
TSDEKDPNPFRRPNIGVEKFLELNSEQNHDDYCLAYVFTDRDFDDGVLGLAWVGAPSGSSGGICEKSKL
YSDGKKKSLNTGIITVQNYGSHVPPKVSHITFAHEVGHNFSGPHDSGTECTPGESKNLGGKENGNYIMYA
RATSGDKLNNNKFSLCSIRNISQVLEKKRNNCFVESGQPICGNGMVEQGEECDGYSQCKDECCFDANQ
PEGKKCKLKPGKQCSPSPQPCCTAQCAFKSKSEKCRDSDCAKEGICNGFTALCPASDPKPNFTDCNRHT
QVCINGQCAGSICEKYDLEECTASSDGKDDKELCHVCCMKMAPSTCASTGSLQWNKQFNRTITLQPG
SPCNDFRGYCDVMRCRLVDADGPLARLKAIFSPQLYENIAEWIVAHWWAVLLMGIALIMLMAGFIKIC
SVHTPSSNPKLPPPKPLPGLTKRRRPPQPIQQPPRQRPRESYQMGHMRR
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_019254

**ORF Size:** 2247 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\\_019254.1](#), [NP\\_062127.1](#)

**RefSeq Size:** 3785 bp

**RefSeq ORF:** 2250 bp

**Locus ID:** 29650

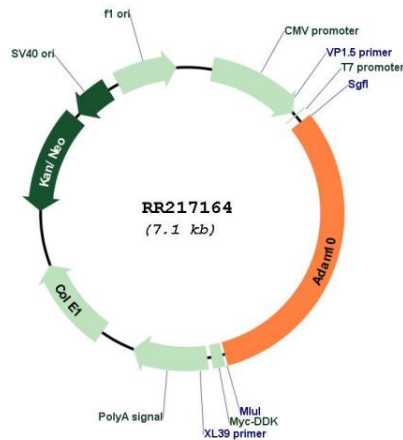
**UniProt ID:** [Q10743](#)

**Cytogenetics:** 8q24

**MW:** 84.1 kDa

**Gene Summary:** may act as a disintegrin-metalloprotease related to the reprotysin family [RGD, Feb 2006]

**Product images:**



Circular map for RR217164