

## Product datasheet for **RR203914**

### Adam28 (NM\_181693) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Adam28 (NM_181693) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Adam28
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**ORF Nucleotide Sequence:**

>RR203914 representing NM\_181693  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCAGCAATGGCGACTTCTGGTAGTCTGGTTCCTCTTCTCCAGTTCAGCAAGTGAATAAAAGAAC  
 TCCTAAAGCCAAGAATTATGAAGTGGTTATCCATAAGACTTCATCTGTTGCATAAAAGAGAGACCAA  
 AGAGCCAGAGCCAAGGAAACATTTGAACTGAGCTCAGGTACAAAATGACAGTAAACGGAAAGGTTGTG  
 GAGCTATACCTGAAGAAGAACACAAGCTCCTAGCACCTGGTACTTGGAAACATACTATAATTCCAGTG  
 GAAACAAGGTCACCACAAGCCCGCAAATCATGGATAGCTGTTACTACCAAGGACACATCATAAACGAGAA  
 AGATTGAGCAGCCAGCATCAGCATGTGTCAAGGGCTACGGGGTACTTCAGTCAAGCTGATGAAAGGTAT  
 TTTATTGAACCTTTGAGCTCGGAGATCTGGATGAGCAGGCACATGCACTCTTCAAGGATGATCCCAAAG  
 AAGACCAGGGGAACAGTAACTGTGGAGTGGATGATGCGCTATGGCTCCAAGGACTGCATCAGGATGTGGT  
 CCTTCTGCCACCAGGTTGATTAAGCTGAATGATGGGATGGTCCAAGAACCTAAGAAGTACATAGAATAT  
 TATGTGGTCTGGACAATGGTGAGTTAAGAAATACAATAAAAAATCTTGATGAAAATAAGAAAGAGAGTAC  
 ATGAGATGGCCAATTATGTCAACATGCTTTACAATAAGCTTGGTGCCCATGTGGCCTTAGTTGGAATGGA  
 AATCTGGACTGATGAGGATAAAATAAGATAACACCAGATGCCAACACCACCCTGGAAAACCTTCTCTAAG  
 TGGAGGGGAAATGATCTGCTAAAGCGAAAGCACCATGATGTTGCCAGCTAATCTCCTCAACAGATTTTT  
 CTGGTTCAACAGTTGGTCTAGCCTTCATGTCTTCAATGTGTTCTCCTTACCATTCTGTTGGCATTGTTCA  
 GGACCACAGTAACTACCATCTTCGAGTCGCAGGAACAATGGCACATGAAATGGGTACAACCTTGGCATG  
 ATTCATGACTACTTGAGTTGAAGTGCCCATCTGAAGTCTGTGTAATGGAGCAGTCACTAAGATTCCACA  
 TGCCCTACAGACTTCAGCTCCTCGAGTCGTGACAATTACAGACGATTTCTTGAAGAGAAATATCTCATTG  
 CCTCTTTAATAGTCCTTTGCCTTCAGATATCATATCCACCCAGTCTGTGGGAACCAAGTTATTGGAATG  
 AATGAGGACTGTGACTGTGGCACTCCCAAGGAGTGTACCAACAAATGCTGTGATGCAGAGACCTGTAAAA  
 TAAAGCAGGTTTCCAGTGTGCTTTGGGAGAATGCTGCGAGAAATGCCAACTTAAAAAGCCTGGGTTGT  
 GTGCAGAGCAGCAAAAGATGAGTGTGATCTGCCTGAAATGTGTGATGGTAAATCCAGCCACTGCCAGTT  
 GACAGATTCAGAGTCAATGGCTTCCCTTGCCAAAATGGGCATGGCTACTGCTTGAAGGGCAACTGTCCCA  
 CCCTGCAGCAGCAGTGCATGGACATGTGGGGCCAGAAACCAAGGTTGCAAATAAGTCATGTTACAAGCA  
 GAATGAAGGTGGTCAAAGTACGGATACTGTACGTGGAGAATGGTACCCACATGCCCTGCAAAGCCAAA  
 GATGCCATGTGCGGGAAGTTGTTCTGTGAGGGTGGTCAAGTGTCTGCCCTGGAAGGACTTACAATAG  
 CTTTCTGACATGTAAATTTATTTGATCCTGAAGACATCAATCAAGGAGTAGACATGGTGGCAATGGAAC  
 CAAATGTGGAATAACAAGGTGTGCATTAACGCAGAGTGTGCGGACATGGAGAAGACATAAAGTCAGCC  
 AACTGCTCCTCCAAGTGCAAAGGCCACGCAGTGTGTGACCATGAGCTTCAAGTGTGAGTGCAGGAAGGAT  
 GGGCCCTCCTGACTGTGAGGATTTGCGCACAGTCTTCCGTAGGCGTCTCCATCATGTTGGCGTGTCTCT  
 TTCCTCTGGCAGCCATATTTGTGGTGATTGCTATAGTGATCCATCATCAAAGTGCCAGAAGAAAGCAAAG  
 GAGAGTTCAGAGGCTACCACCCATCAAGGATGCCAAGCTACACAAGCAGAAGTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR203914 representing NM\_181693  
 Red=Cloning site Green=Tags(s)

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MQQWRLLVVWFLSPVPASAIKELPKAKNYEVVYPIRLHLLHKRETKEPEPKETFETELRYKMTVNGKVV
ELYLKNNKLLAPGYLETYYNSSGNKVTTSQIMDSCYYQGHINEKDSAASISMCQGLRGYFSQADERY
FIEPLSSEILDEQAHALFKDDPKEDQGNSNCGVDDALWLQGLHQDVVLPATRLIKLNDGMVQEPKKYIEY
YVVLDNGEFKKYKNLDEIRKRVHEMANYVNMLYNKLGHAVALVGMEIWTDEDKIKITPDANTTLENFSK
WRGNDLLKRKHHDVAQLISSTDFSGSTVGLAFMSSMCSYHSGIVQDHSNYHLRVAGTMAHEMGNLGM
IHDYLSCKCPSEVCVMEQSLRFHMPTDFSSSRDNYRRFLEEKLSHCLFNSPLPSDIISTPVCGNLLEM
NEDCDCGTPKECTNKCCDAETCKIKAGFQCALGECCEKCQLKPGVVCRAAKDECPLPEMCDGKSSHCPV
DRFRVNGFPCQNGHGYCLKGNCPTLQQQCMDMWGPETKVANKSCYQNEGGSKYGYCHVENGTHMPCKAK
DAMCGKLFCEGGSDLPWKGLTIAFLTCKLDPEDINQGVDMVANGTKCGNKNVCINAECADMEKTYKSA
NCSSKCKGHAVCDHELQCQCKEGWAPPDCEDSATVFRRLHHGWRALSSGSHICGDCYSDPSSKCQKAK
ESSEATTHQGCATQAEV
  
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

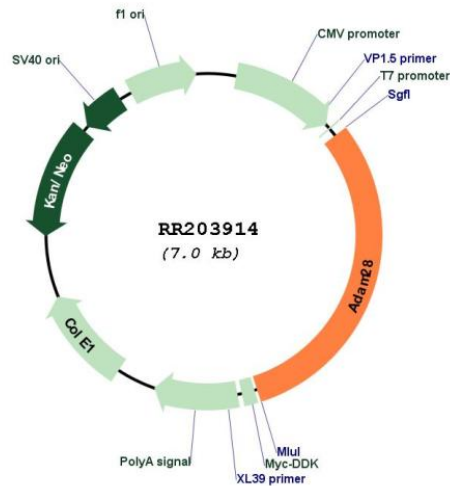
SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**Plasmid Map:**


**ACCN:** NM\_181693

**ORF Size:** 2154 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\\_181693.1](#), [NP\\_859044.1](#)

**RefSeq Size:** 2335 bp

RefSeq ORF:	2157 bp
Locus ID:	290344
Cytogenetics:	15p11
MW:	80.6 kDa
Gene Summary:	mouse homolog is a metalloprotease disintegrin; may have a role in sperm maturation [RGD, Feb 2006]