

Product datasheet for **RR208578**

Adrm1 (NM_031708) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Adrm1 (NM_031708) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Adrm1
Synonyms: Gp110
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR208578 representing NM_031708
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGACGACTTCAGGCGCTCTGTTCCCGAGCCTGGTCCCGGCTCTCGGGATCCTCTATCAAGTATTTGG
 TGGAGTTCGGGCAGGAAAAATGTCATTAAGGAACACGGTACCCAGATAAACGGAAAGGGCTCGT
 GTACATCCAGCAGACCGACGATTCCCTTATCACTTCTGTTGAAAGACAGGACCTCTGGGACCGTGGAG
 GATGACTTGATTATCTTTCTGATGACTGTGAGTTCAAGCGGGTGCCTCAGTGCCCCAGTGGGAGGGTCT
 ACGTGTCAAGTTTAAGGCAGGGTCCAAGCGGCTGTTCTTCTGGATGCAGGAGCCCAAGACTGACCAAGA
 TGAGGAGCATTGCCGAAAGTGAACGAGTGTCTGAACAACCCCCCATGCCTGGGACACTGGGAGCGAGT
 GGGAGTAGTGGCCACGAGCTTTCAGCACTGGGCGGTGAGGGTGGCTGCAGAGTCTGTTGGGGAACATGA
 GTCACAGCCAGCTTATGCAGTCCATCGGACCAGCCGGCTCGGAGGACTGGTGGCTTGGGGCCCTCAC
 TGGGCCAGGCTGGCCAGCTTGTGGGGAGCAGTGGGCTCCAGCCAGCAGCTCCTCATCCAGCTCCCGG
 AGCCAGTCGGCAGCCGTACCCCGTCTCTACCACCTCTCCGCTCGCGCCACCCAGCCCTTCTGCC
 CAGCAGTGCCTCGGCGACCAGCCGAGTCCCGCACCCAGCTCGGTAATGGAACCAGCAGCAGCCAG
 CCCGACCCAGCCATCCAGCTGAGCGACCTCCAGAGCATTCTGGCCACTATGAACGTCCCAGCAGGGCCA
 GGAGGCAGCCAGCAGGTGGATCTGGCGAGTGTGCTGACACCAGAGATCATGGCTCCCATCTTGCCAACG
 CAGACGTTCAGGAGCGCTGCTGCCCTACCTGCCCTCTGGGGAGTCTCTGCCCCAGACTGCAGAGGAGAT
 CCAGAACACATTAACCTCGCCCCAGTTCAGCAGGCCCTGGGTATGTTTCAGTGCAGCCTTGGCCTCAGGA
 CAGCTTGGCCCTCATGTGCCAGTTTGGCCTTCTGCAGAGGCTGTGAGGCGCCCAACAAAGGTGATG
 TGGAAAGCATTGCCAAAGCCATGCAGAATAATGCCAAATCAGACCCCAAGGAGGGCGACACAAAAGACAA
 GAAAGACGAAGAGGAAGATATGAGTCTAGAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR208578 representing NM_031708
 Red=Cloning site Green=Tags(s)

MTTSGALFPSLVPGSRGSSIKYLVEFRAGKMSLKGTTVTPDKRKGLVYIQQTDDSLIHFCWKDRTSGTVE
 DDLIIIFPDDCEFKRVPQCPSGRVYVLFKAGSKRLFFWMQEPKTDQDEEHCRKRVNECLNPPMPGTLGAS
 GSSGHEL SALGGEGGLQSLGNMHSQMLQLIGPAGLGGGLGALGTPGLASLLGSSGPPASSSSSSSR
 SQSAAVTPSSTTSARATPAPSAPAAASATSPSPAPSSNGTSTAASPTQPIQLSDLQSILATMNVAPAGP
 GGSQQVDLASVLTPEIMAPILANADVQERLLPYLPSGESLPQTAEIQNTLTSPQFQQALGMFSAALASG
 QLGPLMCQFGLPAEAVEAANKGDVEAF AKAMQNNAKSDPKEGDTKDKKDEEEDMSLD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

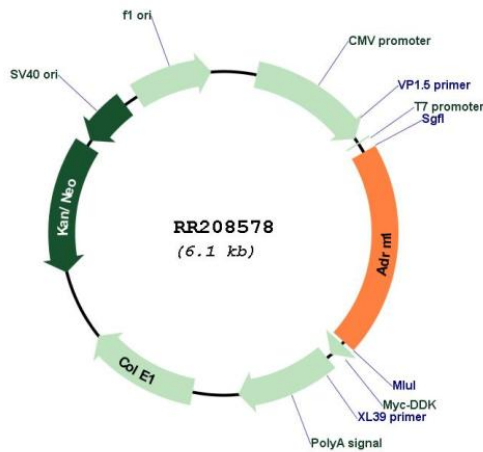
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_031708

ORF Size:	1221 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_031708.1 , NP_113896.1
RefSeq Size:	1444 bp
RefSeq ORF:	1224 bp
Locus ID:	65138
UniProt ID:	Q9JMB5
Cytogenetics:	3q43
MW:	42.1 kDa
Gene Summary:	Component of the 26S proteasome, a multiprotein complex involved in the ATP-dependent degradation of ubiquitinated proteins. This complex plays a key role in the maintenance of protein homeostasis by removing misfolded or damaged proteins, which could impair cellular functions, and by removing proteins whose functions are no longer required. Therefore, the proteasome participates in numerous cellular processes, including cell cycle progression, apoptosis, or DNA damage repair. Within the complex, functions as a proteasomal ubiquitin receptor. Engages and thus activates 19S-associated deubiquitinases UCHL5 and PSMD14 during protein degradation. UCHL5 reversibly associate with the 19S regulatory particle whereas PSMD14 is an intrinsic subunit of the proteasome lid subcomplex.[UniProtKB/Swiss-Prot Function]