

Product datasheet for **RN208578**

Adrm1 (NM_031708) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Adrm1 (NM_031708) Rat Untagged Clone
Tag: Tag Free
Symbol: Adrm1
Synonyms: Gp110
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN208578 representing NM_031708
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGACGACTTCAGGCGCTCTGTTCCCGAGCCTGGTCCCGGCTCTCGGGATCCTCTATCAAGTATTTGG
TGGAGTTCGGGCAGGAAAAATGCATTAAGGAACACGGTACCCAGATAAACGGAAAGGGCTCGT
GTACATCCAGCAGACCGACGATTCCCTTATCACTTCTGTTGAAAGACAGGACCTCTGGGACCGTGGAG
GATGACTTGATTATCTTTCTGATGACTGTGAGTTCAAGCGGGTGCCTCAGTGCCCCAGTGGGAGGGTCT
ACGTGCTCAAGTTTAAGGCAGGGTCCAAGCGGCTGTTCTTCTGGATGCAGGAGCCCAAGACTGACCAAGA
TGAGGAGCATTGCCGAAAGTGAACGAGTGTCTGAACAACCCCCCATGCCTGGGACACTGGGAGCGAGT
GGGAGTAGTGGCCACGAGCTTTCAGCACTGGGCGGTGAGGGTGGCTGCAGAGTCTGTTGGGGAACATGA
GTCACAGCCAGCTTATGCAGTCTATCGGACCAGCCGGCTCGGAGGACTGGTGGCTTGGGGCCCTCAC
TGGGCCAGGCTGGCCAGCTTGTGGGAGCAGTGGGCTCCAGCCAGCAGCTCCTCATCCAGCTCCCGG
AGCCAGTCGGCAGCCGTACCCCGTCTCTACCACCTCTCCGCTCGCGCCACCCAGCCCTTCTGCC
CAGCAGTGCCTCGGCGACCAGCCGAGTCCCGCACCCAGCTCGGTAATGGAACCAGCAGCAGCCAG
CCGACCCAGCCATCCAGCTGAGCGACCTCCAGAGCATTCTGGCCACTATGAACGTCCCAGCAGGGCCA
GGAGGCAGCCAGCAGGTGGATCTGGCGAGTGTGCTGACACCAGAGATCATGGCTCCCATCCTTGCCAACG
CAGACGTTCAGGAGCGCTGCTGCCCTACCTGCCCTCTGGGGAGTCTCTGCCCCAGACTGCAGAGGAGAT
CCAGAACACATTAACCTCGCCCCAGTTCAGCAGGCCCTGGGTATGTTTCAGTGCAGCCTTGGCCTCAGGA
CAGCTTGGCCCTCTCATGTGCCAGTTTGGCCTTCTGCAGAGGCTGTGAGGCGCCCAACAAAGGTGATG
TGAAGCATTGCCAAAGCCATGCAGAATAATGCCAAATCAGACCCCAAGGAGGGCGACACAAAAGACAA
GAAAGACGAAGAGGAAGATATGAGTCTAGAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_031708
Insert Size:	1224 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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
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]