

Product datasheet for **MG206404**

Adrm1 (NM_019822) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adrm1 (NM_019822) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Adrm1
Synonyms:	1110063P18Rik; 2510006J17Rik; AA408205; ARM-1; Arm1; AU043535; Gp110; Rpn13
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206404 representing NM_019822 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACGACTTCAGGCGCTCTGTTCCAAGCCTGGTGCCCGGCTCTCGGGGTCTTCTACCAAATATTTGG
TGGAGTTCGGGCAGGAAAAATGTCATTAAGGAACACGGTCACCCAGATAAACGAAAGGTCTCGT
GTACATCCAGCAGACGGACGACTCCCTTATTCACCTTCTGTTGAAAGACAGGACCTCTGGGACCGTGGAG
GATGACTTGATTATCTTCTGATGACTGTGAGTCAAGCGGGTACCTCAGTGCCCAAGTGGGAGGGTCT
ACGTGCTCAAGTTAAGGCAGGGTCCAAGCGGCTCTTCTTCTGGATGCAGGAGCCCAAGACTGACCAAGA
TGAGGAGCACTGCCGAAAGTCAACGAGTGTCTGAACAACCCCCATGCCTGGGTCACTGGGAGCAAGT
GGGAGTAGTGCCATGAGCTTTCAGCACTGGGCGGTGAGGGTGGCCTGCAGAGCCTGTTGGGGAACATGA
GTCACAGCCAGCTTATGCAGCTCATCGGACCAGCCGGCCTGGGAGGACTGGGTGGACTTGGGGCCCTCAC
TGGGCCAGGCCTGGCCAGCTTGTGGGGAGCAGTGGACCTCCAGCCAGCAGCTTTCATCCAGCTCCCGG
AGCCAGTCGGCAGCCGTACCCCATCCTCCTCCACCTCTCCGCTCGGCCACCCAGCCCTTCTGCC
CAGCAGCTGCCTCGCAACCAGCCCAAGCCCGCACCCAGCTCAGGTAATGGAACCAGCACAGCAGCCAG
CCCAGCCAGCCCATCCAGCTGAGCGACCTCCAGAGCATTCTGGCACTATGAACGTGCCGCAGGGCCA
GGAGCCAGCCAGCAAGTGGATCTGGCGAGTGTGCTGACCCAGAGATCATGGCTCCCATCCTTGCCAATG
CAGACGTTTCAGGAGCGCCTGCTGCCCTACCTGCCCTCTGGGAGTCTCTGCCAGACTGCAGATGAGAT
CCAGAACACATTAACCTCGCCCCAGTTCAGCAGGCCCTGGGTATGTTCAAGTGCAGCCTTGGCCTCAGGA
CAGCTTGGCCCTCTCATGTGCCAGTTCGGCCTTCTGCAGAGGCTGTTGAGGCCGCAACAAAGGTGATG
TGAAGCATTTGCCAAAGCCATGCAGAACAATGCCAAATCGGACCCAAAGGAGGGCGACACAAAAGACAA
GAAAGACGAAGAAGAAGATATGAGTCTAGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206404 representing NM_019822
 Red=Cloning site Green=Tags(s)

MTTSGALFPSLVPGSRGSSTKYLVEFRAGKMSLKGTTPDKRKGGLVYIQQTDDSLIHFCWKDRTSGTVE
 DDLIIIFPDDCEFKRVPQCPSGRVYVLKFKAGSKRLFFWMQEPKTDQDEEHCVRKNECLNPPMPGSLGAS
 GSSGHLSALGGEGGLQSLGNMHSQMLQLIGPAGLGGGLGALTGPGLASLLGSSGPPASSSSSSSR
 SQSAAVTPSSSTSSARATPAPSAPAAASATSPSPAPSSGNGTSTAASPTQPIQLSDLQSILATMNVVAPG
 GGSQQVDLASVLTPEIMAPILANADVQERLLPYLPSPGESLPQTADIEIQNTLTSPQFQQALGMFSAALASG
 QLGPLMCQFGLPAEAVEAANKGDVEAF AKAMQNNAKSDPKEGDTKDKKDEEEDMSLD

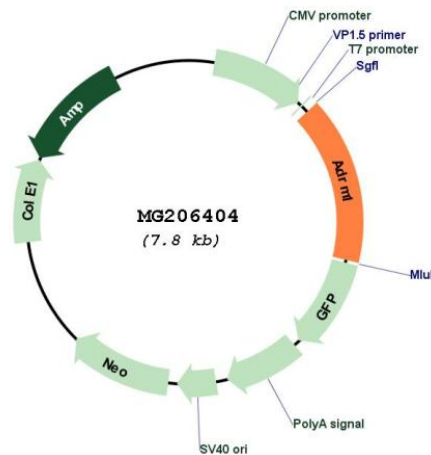
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_019822

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_019822.3 , NP_062796.2
RefSeq Size:	1429 bp
RefSeq ORF:	1224 bp
Locus ID:	56436
UniProt ID:	Q9JKV1
Cytogenetics:	2 H4
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]