

Product datasheet for MR206404

Adrm1 (NM_019822) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adrm1 (NM_019822) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Adrm1
Synonyms:	1110063P18Rik; 2510006J17Rik; AA408205; ARM-1; Arm1; AU043535; Gp110; Rpn13
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206404 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACGACTTCAGGCGCTCTGTTCCAAGCCTGGTGCCCGGCTCTCGGGGTCTTCTACCAAATATTTGG
TGGAGTTCGGGCAGGAAAAATGTCATTAAGGAACACGGTACCCAGATAAACGAAAGGTCTCGT
GTACATCCAGCAGACGGACGACTCCCTTATTCACTTCTGTTGAAAGACAGGACCTCTGGACCGTGGAG
GATGACTTGATTATCTTCTGATGACTGTGAGTCAAGCGGTACCTCAGTGCCCAAGTGGGAGGTCT
ACGTGCTCAAGTTAAGGCAGGGTCCAAGCGGCTCTTCTTGGATGCAGGAGCCCAAGACTGACCAAGA
TGAGGAGCACTGCCGAAAGTCAACGAGTGTCTGAACAACCCCCATGCCTGGTCACTGGGAGCAAGT
GGGAGTAGTGCCATGAGCTTTCAGCACTGGGCGGTGAGGGTGGCCTGCAGAGCCTGTTGGGAACATGA
GTCACAGCCAGCTTATGCAGCTCATCGGACCAGCCGGCCTGGGAGGACTGGGTGGACTTGGGGCCCTCAC
TGGGCCAGGCTGGCCAGCTTGTGGGAGCAGTGGACCTCCAGCCAGCAGCTTTCATCCAGCTCCCGG
AGCCAGTCGGCAGCCGTACCCCATCCTCCTCCACCTCTCCGCTCGGCCACCCAGCCCTTCTGCC
CAGCAGTGCCTCGCAACCAGCCCAAGCCCGCAGCCAGCTCAGGTAATGGAACCAGCACAGCAGCCAG
CCCAGCCAGCCCATCCAGCTGAGCGACCTCCAGAGCATTCTGGCACTATGAACGTGCCGCAGGGCCA
GGAGCCAGCCAGCAAGTGGATCTGGCGAGTGTGCTGACCCAGAGATCATGGCTCCCATCCTTGCCAATG
CAGACGTTTCAGGAGCGCCTGCTGCCCTACCTGCCCTCTGGGAGTCTCTGCCAGACTGCAGATGAGAT
CCAGAACACATTAACCTCGCCCCAGTTCAGCAGGCCCTGGGTATGTTCACTGCGGCCTTGGCCTCAGGA
CAGCTTGGCCCTCATGTGCCAGTTCCGCTTCTGCAGAGGCTGTTGAGGCCGCAACAAAGGTGATG
TGAAGCATTTGCCAAAGCCATGCAGAACAATGCCAAATCGGACCCAAAGGAGGGCGACACAAAAGACAA
GAAAGACGAAGAAGAAGATATGAGTCTAGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR206404 protein sequence
 Red=Cloning site Green=Tags(s)

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MTTSGALFPSLVPGSRGSSTKYLVEFRAGKMSLKGTTPDKRKL VYIQQTDDSLIHFCWKDR TSGTVE
DDLIIIFPDDCEFKRVPQCPSGRVYV LKFKAGSKRLFFWMQEPKTDQDEEHCRKVNECLNPPMPGSLGAS
GSSGHEL SALGGEGGLQSL LGNMSHSQ LMQ LIGPAGL GGLGGLGALTGPGLASLLGSSGPPASSSSSSSR
SQSAAVTPSSSTSARATPAPSAPAAASATSPSPAPSSGNGTSTAASPTQPIQLSDLQSILATMNV PAGP
GGSQQVDLASVLTPEIMAPILANADVQERLLPYLP SGESLPQTAD EIQNTLTSPQFQQALGMFSAALASG
QLGPLMCQFGLPAEAVEAANKGDVEAF AKAMQNNAKSDPKEGDTKDKKDEEEDMSLD
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_019822

ORF Size: 1221 bp

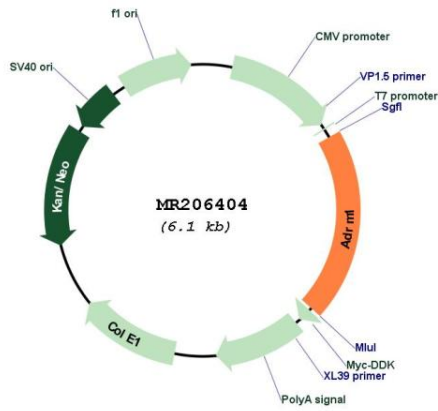
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_019822.3</u> , <u>NP_062796.2</u>
RefSeq Size:	1429 bp
RefSeq ORF:	1224 bp
Locus ID:	56436
UniProt ID:	<u>Q9JKV1</u>
Cytogenetics:	2 H4
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]

Product images:



Circular map for MR206404