

Product datasheet for RN208158

Adprm (NM_001009246) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adprm (NM_001009246) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Adprm
Synonyms:	ADPRibase-Mn; MDS006; RGD1309906
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN208158 representing NM_001009246 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGATAAGCCGGACCCAGTTCGCCGGCTGACGGTCCCGAGCCCTCTTCTCCTTTGGGGTCATAG
CAGATATTCAGTACGCTGACTTAGAGGACGGGTACAATTTCAAAGAAGCAGGCGGAGGTACTACCGGCA
CAGCCTGGTCCACCTGCAGGGCGCCATCGAGGACTGGAATAAAGAAAGCAGCATGCCCTGTTGTGCCTG
CAGCTCGGGACATCATCGATGGCTACAACGCTCAGTATAAAGTGTGGAAAAGTCGCTAGAGCTTGCA
TGAACACCTTCCAAATGCTCAAAGTTCGGTTCACCACACGTGGGCAACCACGAGTTCTATAAATTCAG
CAGAGACTACTTAGCAAACCTCAAACCTGAACAGCAAGTTTCTAGAAGACCAGATCCCGCAGCATCCTGAG
ACCACGCCATCAGAGAACTATTACGCTTATCACTTTGTACCGTTCCCTAAATTCGGTTCATTTTACTTG
ATTCTTACGACCTGAGTGTCTTGGGCATAGACCAGTTTCTCAAAGTACGAGCAGTGTATGAAGATCCT
GAGGGAGCACAATCCGAATGTGGAGTTGAATAGTCCTCAAGGACTTTCTGAGCCCGAGTATGTCCAGTTT
AATGGAGGATTCAGCCAAGAAGCAGCTGAAGTGTGAACGAAGTTCTTACATTCTCTGATGCGAACCAGG
AGAAGGTGGTCATTGTGAGCCATCTTCCATTTACCCAGAGGCCTCTGACAGCGTGTGCCTGGCTTGAA
CTACGTGGACGCTCTGTCAATCATATGGTCTCACCAGTGTGTGGTGTGCTTCTTGGGGTCATACACAT
GATGGTGGCTACTCTGAGGATCCTTTGGCGTGCACCAGTCAACCTGGAAGGAGTTATTGAAACAGCTC
CGGACAGCCAGGCCTTTGGCACAGTTCATGTCTACCCTGACAAAATGCTGCTGAAAGGGAGAGGCAGAGT
TCCAGACAGAATTATGAATTACAAAAGGGAATAA

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_001009246
Insert Size:	1014 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:	<u>NM_001009246.1</u> , <u>NP_001009246.1</u>
RefSeq Size:	1289 bp
RefSeq ORF:	1014 bp
Locus ID:	287406
UniProt ID:	<u>Q5M886</u>
Cytogenetics:	10q24
Gene Summary:	Hydrolyzes ADP-ribose, IDP-ribose, CDP-glycerol, CDP-choline and CDP-ethanolamine, but not other non-reducing ADP-sugars or CDP-glucose. May be involved in immune cell signaling as suggested by the second-messenger role of ADP-ribose, which activates TRPM2 as a mediator of oxidative/nitrosative stress.[UniProtKB/Swiss-Prot Function]