

Product datasheet for RC213957

ADPRM (NM_020233) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADPRM (NM_020233) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ADPRM
Synonyms:	C17orf48; MDS006; NBLA03831
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC213957 representing NM_020233 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGATGATAAACCCAATCCTGAAGCCCTAAGTGACAGTTCAGAGCGTCTTTCTCCTTTGGCGTCATCG
 CAGATGTTCAATTTGCAGACTTAGAAGATGGCTTTAATTTCCAAGGAACCGGCCGATACTACAGACA
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 GATGGTGGCTACTCTGAGGATCCTTTTGGTGTATACCAGTCAACCTAGAAGGATTATTGAAACAGCTC
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 TCCAGATAGAATTATGAATTACAAGAAAGAAAGAGCCTTCCATTGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC213957 representing NM_020233
 Red=Cloning site Green=Tags(s)

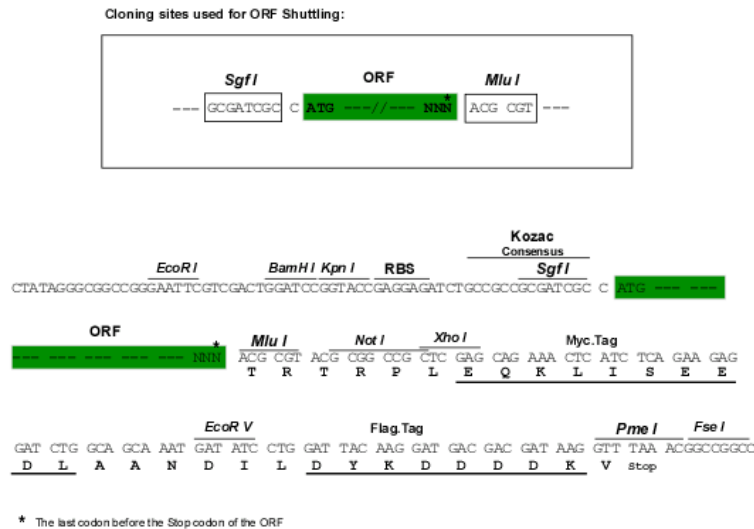
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 QLGDIIIDGYNAQYNASKKSLELVMDMFKRLKVPVHHTWGNHEFYNF SREYLTHSKLNTKFLEDQIVHHPE
 TMPSEDYYAYHFVPFPKFRFILLDAYDL SVLGVDQSSPKYEQCMKILREHNPTELNSPQGLSEPQFVQF
 NGGFSQEQLNWLNEVLTFSDTNQEKVVI VSHLPIYPDASDNVCLAWNRYDALAVIWSHECVVCF FAGHTH
 DGGYSEDPFGVYHVNLEGV IETAPDSQAFGTVHVYPDKMMLKGRGRVPDRIMNYKKERAFHC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6478_d04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_020233

ORF Size: 1026 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:

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: [NM_020233.5](#)

RefSeq Size: 1518 bp

RefSeq ORF: 1029 bp

Locus ID: 56985

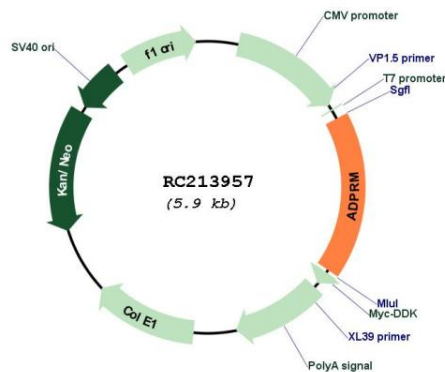
UniProt ID: [Q3LIE5](#)

Cytogenetics: 17p13.1

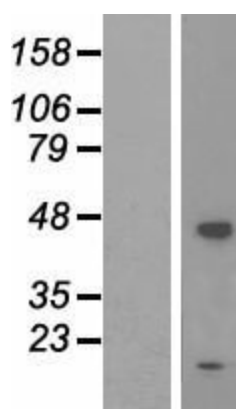
MW: 39.3 kDa

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 (By similarity).[UniProtKB/Swiss-Prot Function]

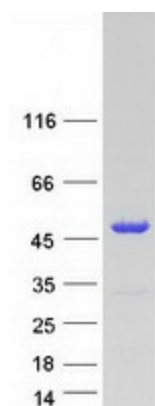
Product images:



Circular map for RC213957



Western blot validation of overexpression lysate (Cat# [LY412569]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC213957 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified ADPRM protein (Cat# [TP313957]). The protein was produced from HEK293T cells transfected with ADPRM cDNA clone (Cat# RC213957) using MegaTran 2.0 (Cat# [TT210002]).