

Product datasheet for MR205560

Adprh (NM_007414) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adprh (NM_007414) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Adprh
Synonyms:	Arh1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205560 representing NM_007414 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGTGGGGGCTGATTGAGAGGTATGTGGCTGCCATGGTGTGAGCGCGGCTGGAGATACCTGGGCT
ACTTCAACGGGAAGTGGGAGTTCATTGGGATGGGAGACGATACACCAGCAGTTGGCCAGATGGGTGA
CTTGAAGCCATAGATGTGGCAGATGGAGAGTCAGTGATGATACCGTCATGCACCTGGCCACAGCGGAG
GCCCTCATGGAAGCCGGCCAGTCCCGGATTTGCCTCGGCTGTATTCCCTACTAGCCAAACATTACCGGG
ACTGCATGGGAGACATGGATGGCCGGGCACCAGGTGGTGTGTCATGCAGAACGCCATGTGCTACAGCC
CAACAGGGCCGACGGCTATAGGATTCCTTCAACAGTCACGAGGGTGGCTGCGGGGCTGCCATGCGCGCC
ATGTGCATCGGGCTGAGGTTCCCCACCCAGCCAACCTGGATCTGCTGATCCAAGTGAGCATCGAGAGCG
GCCGGATGACCCACCACCACCCACGGGCTACCTCGGCAGCCTTGCCTCCGCTCTTTTTACGGCATATGC
CGTGAATGGCAAGTCACCATGGCAGTGGGAAAAGGGCTAATGGAGGTGCTGCCTGAAGCCAAAAGTAC
ATCACTCAGTCAGGCTACTTTGTGAAGGAGAATCTTCAACACTGGTCTACTTCGAGAAAAGATGGGAAA
AGTACCTGGAGCTTAGAGGAATTTGGACGGCAACTCGGCTCCGCTTCCCGCAGCCCTTTGGTGTGAA
GGAAAGGGATCAGTTCTACATCGACGTGAGCTACTCGGGCTGGGTGGCAGCAGCGGACACGATGCCCC
ATGATTGCCTACGATGCCCTCCTGGCCGGGGGATTCTGGAAGGAGCTCGCACACAGAGCCTTCTTCC
ACGGTGGAGACAGTGATTCCACGGCCGCCATTGCTGGCTGCTGGTGGGGAGTTATGTACGGCTTTAAAGG
CGTAAATCCCGCAACTACGAGAAGCTCGAATACCGACAGCGGCTAGAAGAGGCCGGAAGAGCTTTGTAT
TCTCTCGGGTCAAAGAAGACCCTGTATTAGATCCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >MR205560 representing NM_007414
 Red=Cloning site Green=Tags(s)

MGGGLIERVVAAMVL SAAGDTLGYFNGKWEFIRDGETIHQQLAQMGDLEAIDVARWRVSDDTVMHLATAE
 ALMEAGQSPDL PRL YSLLAKHYRDCMGDMGRAPGGACMQNAMLLQPNRADGYRIPFNSHEGGCGAAMRA
 MCIGLRFPHPSQLDLLIQVSIESGRMTHHPTGYL GSLASALFTAYAVNGKSPWQWGKGLMEVLPEAKKY
 ITQSGYFVKENLQHWSYFEKEWEKYLELRGILDGNSAPVFPQPFVGVKERDQFYIDVSYSGWGGSSGHDAP
 MIAYDALLAAGDSWKELAHRAFFHGGSDSDSTAAIAGCWWGVMYGFKGVNPANYEKLEYRQRLEEAGRALY
 SLGSKEDPVLDP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_007414

ORF Size: 1086 bp

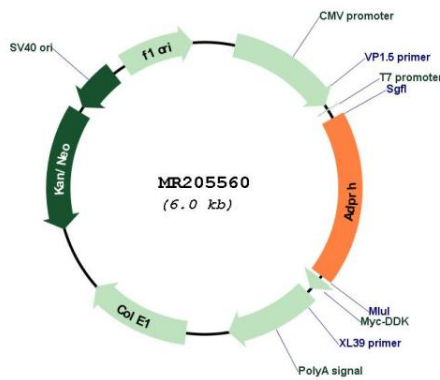
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.
- RefSeq:** [NM_007414.3](#), [NP_031440.1](#)
- RefSeq Size:** 1583 bp
- RefSeq ORF:** 1089 bp
- Locus ID:** 11544
- UniProt ID:** [P54923](#)
- Cytogenetics:** 16 B3- B4
- MW:** 40.5 kDa
- Gene Summary:** Specifically acts as a arginine mono-ADP-ribosylhydrolase by mediating the removal of mono-ADP-ribose attached to arginine residues on proteins.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205560