

Product datasheet for **RC202613**

ADPRHL1 (NM_199162) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADPRHL1 (NM_199162) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ADPRHL1
Synonyms:	ARH2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC202613 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGTGAGATGCTATGTGGAAATCGTTGAGAAGCTTCCAGAACGCCGGCCAGACCCAGCTACCATTGAAG
GCTGTGCTCAGCTAAAGCCCAATAACTACCTTCTCGCCTGGCACACACCGTTCAATGAAAAAGGCTCAGG
GTTTGGAGCGGCCACCAAGGCCATGTGCATCGGCCTGCGGTACTGGAAGCCTGAGCGGCTGGAGACCCTC
ATCGAGGTCAGCGTGGAGTGCAGCCGGATGACCCACAACCATCCCACAGGCTTCTTGGGCTCCCTGTGCA
CGGCCCTGTTTGTGTCGTTCCGCCACAAGGAAAGCCCTGGTCCAGTGGGGGAGAGACATGCTGCGGGC
GGTGCCTCTGGCAGAAGAGTACTGCAGGAAGACCATCCGGCACACGGCAGAATACCAGGAGCACTGGTTT
TACTTTGAAGCTAAATGGCAATTTATTTGGAGGAGAGGAAAATCAGTAAAGACTCAGAAAATAAAGCCA
TCTTCCCCGACAATTATGATGCAGAAGAGAGGAAAAGACCTACAGGAAGTGGAGCTCGGAAGGTCGAGG
GGGAAGACGAGGCCACGATGCCCCATGATAGCCTATGACGCCCTCTTGCAGCAGGAAACAGCTGGACT
GAGCTGTGTCACCGGCCATGTTTCATGGAGGGGAGAGCGCGGCCACGGGCACCATTGCAGGCTGCCTGT
TCGGGTTGCTGTACGGCCTGGACCTCGTTCCAAAGGCTTGTACCAGGACCTGGAGGACAAGGAGAAGCT
GGAGGACCTGGGCGCGGCTCTTACC GCCTGTCCACAGAGGAGAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC202613 protein sequence
Red=Cloning site Green=Tags(s)

MVRCYVEIVEKLPERRPDPATIEGCAQLKPNNYLLAWHTPFNEKGSFGAATKAMCIGLRYWKPERLET
 IEVSVCEGRMTHNHPTGFLGSLCTALFVSFAAQGKPLVQWRDMLRAVPLAEEYCRKTI RHTAEYQEHWF
 YFEAKWQFYLEERKISKDSENKAI FPDNYDAEEREKTYRKWSSEGRGRRGHADAPMIAYDALLAAGNSWT
 ELCHRAMFHGGESAATGTIAGCLFGLLYGLDLVPKGLYQDLEDKEKLEDLGAALYRLSTEEK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6436_h07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_199162

ORF Size: 816 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.

RefSeq: [NM_199162.3](#)

RefSeq Size: 1883 bp

RefSeq ORF: 819 bp

Locus ID: 113622

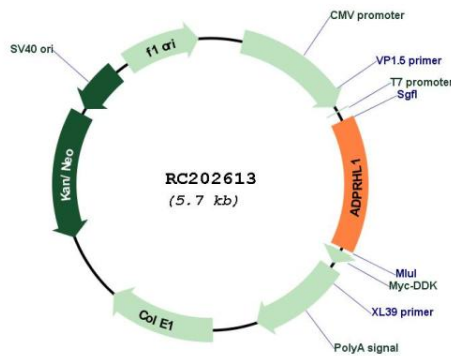
UniProt ID: [Q8NDY3](#)

Cytogenetics: 13q34

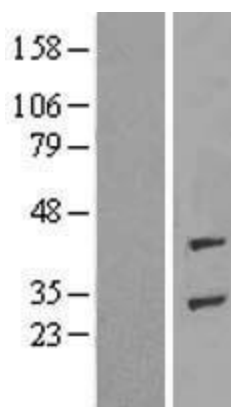
MW: 31 kDa

Gene Summary: ADP-ribosylation is a reversible posttranslational modification used to regulate protein function. ADP-ribosyltransferases (see ART1; MIM 601625) transfer ADP-ribose from NAD⁺ to the target protein, and ADP-ribosylhydrolases, such as ADPRHL1, reverse the reaction (Glowacki et al., 2002 [PubMed 12070318]).[supplied by OMIM, Mar 2008]

Product images:



Circular map for RC202613



Western blot validation of overexpression lysate (Cat# [LY404665]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202613 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).