

Product datasheet for **RG209618**

ADPRH (NM_001125) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADPRH (NM_001125) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ADPRH
Synonyms:	ARH1; hARH1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG209618 representing NM_001125 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGAAGTATGTGGCTGCTATGGTGCTGAGTGCAGCTGGAGATGCCCTGGGGTACTACAATGGGAAGT
GGGAGTTCCTCCAGGATGGGGAGAAGATACACCGCAGTTGGCCAGCTGGGCGGCTTGGATGCCCTAGA
CGTGGGAAGGTGGAGAGTTAGTGACGACACAGTATGCACTTGGCCACAGCAGAAGCTCTTGTGGAAGCT
GGGAAAGCCCCTAAGTTGACTCAACTGTATTACCTCCTTGCTAAGCATTACCAAGACTGCATGGAAGACA
TGGATGGGCGGGCACCAGGTGGTGCCTCGGTGCACAACGCCATGCAGCTGAAGCCGGCAAGCCCAATGG
CTGGAGGATCCCTTCAACAGCCATGAGGGCGGCTGTGGGGCTGCCATGCGGGCCATGTGCATCGGTCTC
AGGTTCCACACCATAGCCAAGTGGACACACTGATCCAAGTGAAGCATCGAGAGTGGTGGATGACCCACC
ACCACCCAACAGGCTACCTGGGGCCCTTGCCTGCTCTTTTTACAGCCTATGCAGTGAATAGCAGACC
ACCCTTGCAGTGGGAAAAGGACTGATGGAGCTGCTACCAGAAGCTAAAAAGTACATTGTCCAATCAGGC
TACTTTGTAGAGGAAAATCTTCAACACTGGTCTACTTCCAAACCAATGGGAAAATTACCTAAACTTA
GAGGGATTTTGGATGGAGAATCAGCCCCACCTCCCTGAGTCTTTCGGTGTGAAGGAGAGGGATCAGTT
CTACACCTCCCTGAGCTACTCTGGCTGGGTGGCAGCAGTGGGCACGATGCCCCATGATTGCCTACGAT
GCTGTTCTTGTGCAGGAGACTCCTGGAAGGAGCTTGGCCACCGACCTTTTTCCATGGTGGAGACAGTG
ATTCTACAGTGCATTGCTGGCTGCTGGTGGGAGTTATGTATGGTTTTAAAGGAGTGAGTCCCTCCAA
CTATGAGAAACTAGAATACAGAAACCGGCTGGAAGAGACAGCTAGGGCTTTATATTCTCTCGGGTCAAAA
GAAGACTGTAATTTCCCTT

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG209618 representing NM_001125
 Red=Cloning site Green=Tags(s)

```
MEKYVAAMVLSAAGDALGYINGKWEFLQDGEKIDHRQLAQLGGLDALDVGRWRVSDDTVMHLATAEALVEA
GKAPKL TQLYYLLAKHYQDCMEDMDGRAPGGASVHNAMQLKPGKPNGWRIPFNSHEGGCGAAMRAMCIGL
RFPHHSQDLTLIQVSIESGRMTHHHPTGYLGALASALFTAYAVNSRPPLQWGKLMELLPEAKKYIVQSG
YFVEENLQHWSYFQTKWENYLKLRGILDGESAPTFPESFGVKERDQFYTSLSYSGWGGSSGHDAPMIAYD
AVLAAGDSWKELAHRAFFHGGSDSTAAIAGCWGVMYGFKGVSPSNYEKLEYRNRLEETARALYSLGSK
EDTVISL
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001125

ORF Size: 1071 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_001125.2](#), [NP_001116.1](#)

RefSeq Size: 3461 bp

RefSeq ORF: 1074 bp

Locus ID: 141

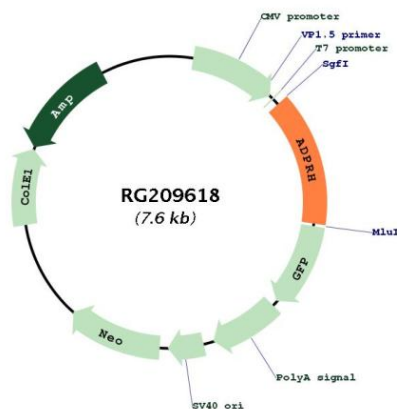
UniProt ID: [P54922](#)

Cytogenetics: 3q13.33

Domains: ADP-ribosyl_GH

Gene Summary: The enzyme encoded by this gene catalyzes removal of mono-ADP-ribose from arginine residues of proteins in the ADP-ribosylation cycle. Unlike the rat and mouse enzymes that require DTT for maximal activity, the human enzyme is DTT-independent. Alternatively spliced transcript variants that encode different protein isoforms have been described. [provided by RefSeq, May 2014]

Product images:



Circular map for RG209618