

## Product datasheet for SC119411

### ADPRH (NM\_001125) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ADPRH (NM_001125) Human Untagged Clone
Tag:	Tag Free
Symbol:	ADPRH
Synonyms:	ARH1; hARH1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC119411 sequence for NM_001125 edited (data generated by NextGen Sequencing)

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ATGGAGAAGTATGTGGCTGCTATGGTGCTGAGTGCAGCTGGAGATGCCCTGGGGTACTAC
AATGGGAAGTGGGAGTTCCTCCAGGATGGGAGAAGATACACCGCAGTTGGCCAGCTG
GGCGGCTTGGATGCCCTAGACGTGGGAAGTGGAGAGTTAGTGACGACACAGTGTGCAC
TTGGCCACAGCAGAAGCTCTTGTGGAAGCTGGGAAAGCCCTAAGTTGACTCAACTGTAT
TACCTCCTTGCTAAGCATTACCAAGACTGCATGGAAGACATGGATGGGCGGCACCAGGT
GGTGCCTCGGTGCACAACGCCATGCAGCTGAAGCCGGCAAGCCCAATGGCTGGAGGATT
CCCTTCAACAGCCATGAGGGCGGCTGTGGGGCTGCCATGCGGGCCATGTGCATCGGTCTC
AGGTTCCACACCCATAGCCAACCTGGACACACTGATCCAAGTGAGCATCGAGAGTGGTCGG
ATGACCCACCACCACCAACAGGCTACCTGGGGGCCCTTGCCTGCTCTTTTTACAGCC
TATGCAGTGAATAGCAGACCACCTTGCAGTGGGAAAAGGACTGATGGAGCTGCTACCA
GAAGCTAAAAAGTACATTGTCCAATCAGGCTACTTTGTAGAGGAAAATCTTCAACACTGG
TCCTACTTCCAAACCAAAATGGGAAAATTACCTAAAACCTTAGAGGGATTTTGGATGGAGAA
TCAGCCCCTACCTTCCCTGAGTCTTTCGGTGTGAAGGAGAGGGATCAGTTCTACACCTCC
CTGAGCTACTCTGGCTGGGGTGGCAGCAGTGGGCACGATGCCCCATGATTGCCTACGAT
GCTGTTCTTGCTGCAGGAGACTCCTGGAAGGAGCTTGGCCACCGAGCCTTTTTCCATGGT
GGAGACAGTGATTCTACAGCTGCCATTGCTGGCTGCTGGTGGGGAGTTATGTATGGTTTT
AAAGGAGTGAGTCCCTCCAATATGAGAACTAGAATACAGAAACCGGCTGGAAGAGACA
GCTAGGGCTTTATATTCTCTCGGGTCAAAGAAGACACTGTAATTTCCCTTTAG

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Clone variation with respect to NM\_001125.2  
546 t=>a



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_001125 unedited  
 GTAAGTACAAATTTTNTAATACGACTCACTATAGGGCGGCCGCGATTCCGGCACCAGGGC  
 GACGGAGGTCCCGTCCACTCTCGCTTGGGTGCAGAAGGGCGCGCGGTGCCAGGAAGCCG  
 CCTTGGAGGCTCCAAGATTAGCTCACTCAGCGCGGCCAAGCGCAGGTGCGGGGGCCCTCG  
 CCGCCACCCTGCTTATCTGGGGACAGTCCCAGCAACCCGGTGACCCGGCTCCGCCCAACC  
 CGCGCCCTCGTCCACCCGACAGCCAAGGCCTTTCCCCGGCCCCGGGAGCCCGCGCCA  
 CGCCCGTCCGCTCGCGGTTCCAGTCCAGGCTACAGCAGGGGCTCTCCAGCCTGCATTCCA  
 TGGCCAACAGCAGTGCAGCTGCAGAAGCACTTCTGGAAGCCTCCTGACTTGAAGTACAGC  
 TTGGACACCCTCTCCAGAGCCCAGCAATTGTGAGGGACTGATGGAGAAATGATGTGGCTGC  
 TATGGTGTGAGTGCAGCTGGAGATGCCCTGGGGTACTACAATGGGAAGTGGGAGTTCT  
 CCAGGATGGGGAGAAGATACACCGCAGTTGGCCAGCTGGGCGGCTTGGATGCCCTAGA  
 CGTGGGAAGGTGGAGAGTTAGTGACGACACAGTATGCACTTGGCCACAGCAGAAGCTCT  
 TGTGGAAGCTGGAAAGCCCTAAGTTGACTCACTGTATTACCTCCTTGCTAAGCATT  
 CCAAGACTGCATGGAAGACATGGANTGGGCGGGCACCAGGTGGTGCCTCGGTGCACAACG  
 CCATGCAGCTGAAGCCGGCAAGCCCAATGGCTGGAGGATTCCCTNTCAACAGCCATGAG  
 GCGGCTGTGGGGCTGCCATGCNGCCATGTGCATCGGTCTCAGTTNNCCACCCATAGCCA  
 ACTGGACCACTGATCCA

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_001125 unedited  
 NNNGGGGTTTGTATGGAACCGCGCCGAATCTAGNGATCGGTTTTTTTTTTTTTTTTTTT  
 TTACGATGTGTCAGACCATCTTTATTGATTTACCCTAATGTTATGCATAAAGTTTATCTC  
 TTCCCCCATTTCGTTCTCATCTCCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT  
 TACACACACATAAAGAAGCAAAGTCAACAGCTGAGAGCGAAGTTTGGGGTGAAGTTTTG  
 AGGTTTGAAGAAAAAGAAGTCTGAAAGTCTAACCTCTTTTTGAAATGTGCCTGTGATGAA  
 GAGTGACAATCGGCAAGCAAATCTAATAGGATCTCTAAAGAGCCTTTTCCTGTTGTTTA  
 CAATTGTGGCTAAAGCCCTGCACTAGAAAAACAACAAATGCTAAGATCCTCCCTGCATCCC  
 CTACCCCCGACCCCTGGGGCACACACAACCCCTCCTCCACCACGTTCTAAAAAGACTGGA  
 AGGACTTGGAAAAACATTTCTTATGGGATGAACTAGAAGGTGGCAGGACTGCTATCATCAG  
 ACCTCATTTACCCACCGCTTCCAGCTGAAAACAGGGATTTACAAAAGGAAAAATCATGA  
 GAGTCATAGTTCTGTGGTTTTCTCAAAAGGAGAAGGAAGGGACGCTCTTCCTTCCCACCC  
 CTGAGAACAGGCCAAATGAGAGCAAGCCCTGGCTGGACTGAGGTTGACCAAATGAATG  
 TGACGATGGCATCTCATTTCAGGTGGACATGTGCTGGGCAGCATGTGCCTAGGACTGA  
 CCCAAAAACACCCAGCACACACACAGTATTGATGTGATGACCAGGCCAAAAACAAAAG  
 GCTGTGGGAAGGAGTGAGGAGAAGGTGGGCCAATTGCCTGAACAAACAAAGCAGGT

**Restriction Sites:**

ECORI-NOT

**ACCN:**

NM\_001125

**Insert Size:**

3510 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:**

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]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longer protein. Variants 1 and 2 encode the same protein (isoform 1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.