

## Product datasheet for **SC319237**

### ADPRHL1 (NM\_199162) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ADPRHL1 (NM_199162) Human Untagged Clone
Tag:	Tag Free
Symbol:	ADPRHL1
Synonyms:	ARH2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_199162.1  
 GGCACGAGAGCAGACTCTGAACCAGGAAGTAGCCGTGTCTAGCGCTCTACAAGACACATA  
 GGAGAGGTGGCATCCATGGCCCTGAAACGACAAGCCCATGTTGCCAGCGCATTATCACCA  
 AGTCACTTGGCAAGCGTTTAGCAGACTACTGGTGCCTGGATGATCTGTACCGGGAGATGG  
 TGAGATGCTATGTGAAATCGTTGAGAAGCTTCCAGAACGCCGGCCAGACCCAGCTACCA  
 TTGAAGGCTGTGCTCAGCTAAAGCCCAATAACTACCTTCTCGCCTGGCACACACCGTTCA  
 ATGAAAAAGGCTCAGGGTTTGGAGCGGCCACCAAGGCCATGTGCATCGGCCTGCGGTACT  
 GGAAGCCTGAGCGGCTGGAGACCCTCATCGAGGTCAGCGTGGAGTGCGGCCGGATGACCC  
 ACAACCATCCCACAGGCTTCTGGGCTCCCTGTGCACGGCCCTGTTTGTGTGCTTCGCCG  
 CACAAGGAAAAGCCCTGGTCCAGTGGGGGAGAGACATGCTGCGGGCGGTGCCTCTGGCAG  
 AAGAGTACTGCAGGAAGACCATCCGGCACAGGCAGAATACCAGGAGCACTGGTTTTACT  
 TTGAAGCTAAATGGCAATTTTATTTGGAGGAGAGGAAAATCAGTAAAGACTCAGAAAATA  
 AAGCCATCTTCCCGACAATTATGATGCAGAAGAGAGGGAAAAGACCTACAGGAAGTGG  
 GCTCGAAAGTTCGAGGGGAAGACGAGGCCACGATGCCCCATGATAGCCTATGACGCC  
 TCCTTGCAGCAGGAAACAGCTGGACTGAGCTGTGTACCAGGCCATGTTTCATGGAGGGG  
 AGAGCGCGGCCACGGGCACCATTGCAGGCTGCCTGTTCCGGTTGCTGTACGGCCTGGACC  
 TCGTTCCTCAAAGGCTTGTACCAGGACCTGGAGGACAAGGAGAAGCTGGAGGACCTGGGCG  
 CGGCTCTTACCCTGTCCACAGAGGAGAAGTAAAGCCATTTCTGCCACTTTCCCCCTA  
 GAGAGCCGATTCACCCCGGGCCCGTAGGGCCCTCTCGCAGCCCTGGGTGAGGGTGTCT  
 TCTGTGAGGCTCCACTGCGGTCTGTGCCTGACTGGCCACATCTAACTCTCTGTTTCCAAT  
 TTCAGAATCCTAACTGTTGCATAAAATACATTGTTTGTCTGCGAGAATATTTCCGTCC  
 TCCACCATCAACATTGACTGCGTAGATTTGCCGCACTGGACCTCCATGCGTGGCACT  
 CACCCGAGTCTCCTGGACAGGCGCTGTATTTTATTCTGTGCGCAGAGCTAATGCTGTTA  
 CTCACTCACTTCAACAACACTAACTGCGGTGGTGGCCTCCAGCAGGCCCCCGCTGCAG  
 ACCCTCTGTCTCCTCTGCCTCCAGGCATGCGTTTTCCCGTGAGGGCCAATGCACCTCC  
 CCCCACCCACCCTCCATGTCCACAGTGGGTGCTGTGTTCCCTGGACAGAGAAACAGT  
 CCACACTGGGGCCTGCGGGACACATATAGCAGCATATTTTGTCTTAACCCACCCACCT  
 TTTAATCACACTAGATTTAAGATCAATCCCTTTTTGAAACAACACAGGAGAAAACCA  
 GAACATAAATGGCCTCCTGCCAGCTCCGGCGTCTCTGTGGTCTGCCTAGTGGGCCAA  
 GTCCAAATGCAGAGAAGGCCTTTCCCTCCGCGCCTGCCCATCGGGCTCGCTGACGAGG  
 AAGCGCTGTCCCTGTGATGAGGTTCTCTCTCAGAGAGTCTTGAAAAGAGACCATTGCT  
 CTTGTTTAAAATAAATTTGGACGTGATTTTCCATGCAGCATCTGGTGTGAATAAAACAG  
 CAGTTGACTGATAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_199162

**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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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\\_199162.1](#), [NP\\_954631.1](#)

**RefSeq Size:** 1917 bp

**RefSeq ORF:** 819 bp

**Locus ID:** 113622

**UniProt ID:** [Q8NDY3](#)

**Cytogenetics:** 13q34

**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<sup>+</sup> to the target protein, and ADP-ribosylhydrolases, such as ADPRHL1, reverse the reaction (Glowacki et al., 2002 [PubMed 12070318]).[supplied by OMIM, Mar 2008]  
Transcript Variant: This variant (2) contains an alternate 5' terminal exon and initiates translation at an in-frame downstream start codon compared to variant 1. The resulting isoform (2) has a shorter N-terminus compared to isoform 1.