

## Product datasheet for **RR216573**

### Aadacl2 (NM\_001191706) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Aadacl2 (NM_001191706) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Aadacl2
Synonyms:	RGD1563197
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR216573 representing NM_001191706 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGGATTTAAAGCTCTCTGTGTTGGGGCTGCTTTGTGTTAGCTTTTTATCTTATATTTATACACCTATGC  
CTGACAACATTGAAGAACCTTGGAACTAATAGCCCTGGATGCAGTTGCTAAAACCTTCTCCCTACGGC  
TCTGTGCTTTGAAAACATAGGTGTTATGAGATATGAAGAATTTATCTCCATGATAATCAATCTGGATTAC  
ACACAACCACATTCTGACGAACACATTACAGTAACTGACACTGCCTTTGTTGACATTCTGTGCGTTTGT  
ACTTACCAAGAGCAAGTCAGAAGCCCCAAGACGAGCTGTGATCTATTTTCATGGAGGAGGTTTTTGT  
CGGAAGTTTTAAGCAGAGGGCTTTTGTTCCTGAATAGATGGACTGCAAGCAAACCTTGACGCTGTTGTT  
GTAGGAGTAGACTACAGGCTAGCTCCTCAGCATCACTTTCCCGCACAAATTTGAAGATGGTGTACAGCAG  
TCAAGTTTTTCTTCAGGATAAAATGCTTACCAAGTATGGAGTAGATCCTACCGAATTGCTATCTCAGG  
AGACAGTTCTGGAGGCACTCTGGCTGCAGCAGTGACACAACAGGTGCAGATTGATCCCGAAGTAAAGCAT  
AAATTCAGCTGCAAGCTCTACTTTATCCTGGCTTACAGGTGATTGACACTCACTTGCCATCACATCTAG  
AGAACGAACGTGGTATAGTTCTGACAAGGGACATAGCCATAAACTTGTGAGTTTGTTCACCAAGGA  
TGAGGCATTTCAATGGCAATGAGAAAAACCAGCACATGCCTCTGGAGTCCAAACATCTGTTCAGGTTT  
GTTAACTGGAGTGCTCTTCTCCCTGACAAGTTTAGAAAAGAACTATGTGTACACTGAGCCTGTGCTTGGAA  
GATCGGCCTTCTCTGCGAGCTCTGATGGACCACAGAGCATTGCCCTTGTAGCCAATGATGCTCACTT  
ACAACACTTGCCACAAACATACATTCTTACCTGTCAATATGATGTCCTGAGAGATGATGGAATCATGTAT  
GCTTCAAGACTTCAAAGTGTGGAGTAGAAGTATATCACGACCATGTTGAGGATGGAATCCATGGGGCT  
TATCGTATATGACATCACCCTCACTTGAATCTAGGGCTGAGAATAAGAGATATGTATGTTAGTTGGCT  
GGATAAGAATCTA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR216573 representing NM\_001191706  
 Red=Cloning site Green=Tags(s)

MGFKALCVGLLCVSFSLSYIYTPMPDNIEEPWKLIALDAVAKTFSLTALCLENIGVMRYEEFISMIINLDY  
 TQPHSDEHITVTDTA FVDIPVRL YLPKSKSEAPRRAVIYFHGGGFCGFSFKQRAFDFLNRWTASKLDAVV  
 VGV DYRLAPQHHPAQFEDGVTAVKFFLQDKMLTKYGVDPTRIAISGDSSGGTLAAAVTQQVQIDPEVKH  
 KFKLQALLYPGLQVIDTHLPSHLENERGIVLTRDIAIKLVSLFFTKDEALQWAMRKNQHMPLESKHLFRF  
 VNSALLPDKFRKNYVYTEPVLGRSAFSLPALMDHRALPLLANDAHLQHLPTQTYILTCQYDYLRDDGIMY  
 ASRLQSVGVEVYHDHVEDGIHGALSYMTSPLHLNLGLRIRD MYVSWLDKNL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

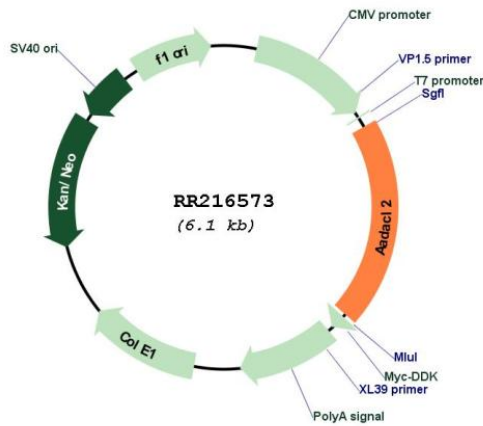
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001191706

<b>ORF Size:</b>	1203 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001191706.1</a> , <a href="#">NP_001178635.1</a>
<b>RefSeq Size:</b>	1206 bp
<b>RefSeq ORF:</b>	1206 bp
<b>Locus ID:</b>	295076
<b>Cytogenetics:</b>	2q31
<b>MW:</b>	45.6 kDa