

## Product datasheet for MR218935

### Adcy2 (NM\_153534) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Adcy2 (NM_153534) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Adcy2
Synonyms:	mKIAA1060
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR218935 representing NM_153534 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTGGCAGGAGGCGATGCGGGCGGCCGCTACCTGCGGGACCGCGCCGAGGCGGCGGCAGCAGCGGCGG  
CGGGCGGCGGCGAGGGGCTGCAGCGGTCCCGGACTGGCTCTACGAGTCTACTACTGCATGAGCCAGCA  
GCACCCTCTCATCGTCTTCTGTGCTCATCGTCATGGGCGCCTGCCTCGCCCTGCTCGCCGCTCTTCTT  
GCGCTCGGGCTGGAGGTAGAAGACCATGTGGCATTAAAAAACCCTTCCACTGCCCTGGCCATCTTCT  
TCGCCATATTCATTCTTGTCTGCATTGAGTCTGTGTTCAAGAAGCTTCTCCGAGTGTCTCGCTGGTGAT  
CTGGATATGTCTGGTTGCCATGGGATACCTGTTTCATGTGCTTTGGAGGGACCGTGTCTGCCTGGGACCAG  
GTGTCATTCTTCTTCTCATCATCTTCTGTTGTACACCATGCTTCCCTCAACATGAGGGATGCCATCA  
TCGCCAGCGTCTCACCTCTTCTCATACGATAGTGCTGAGTGTCTACCTGTCTGCAACACCAGGGGC  
CAAGGAGCACCTGTTCTGGCAGATACTGGCCAACGTGATCATTTCATCTGTGGAACTTGGCGGGAGCT  
TACCATAAGCACCTCATGGAACCTGCCCTGCAGCAAACCTATCGGGACACATGTAATTGCATCAAGTCCC  
GGATCAAGCTGGAATTTGAAAAACGGCAGCAGGAACGACTTCTGCTTCCCTGCTGCCTGCTCACATTGC  
CATGGAATGAAGGCTGAAATCATTCAAAGGCTACAGGGACCCAAAGCAGGACAGATGAAAAACGAAC  
AACTTCCACAACCTGTATGTCAAGCGACACCAACGTGAGCATATTATGCTGACATGTTGGCTTCA  
CCGCCTTGCAAGCGATTGCTCCCTGGTGAACCTGGTCCACATGCTGAATGAACTTTTGGGAAGTTTGA  
TCAAATTCGAAAGGAGAATGAGTGCATGAGAATAAAAATTTAGGAGACTGCTATTACTGTGTTCCGGG  
CTCCCGATATCTCCCTAACCATGCCAAGAACTGTGTGAAAATGGGACTGGATATGTGCGAAGCCATAA  
AGAAAGTGAGGGATGCTACTGGGGTCGATATCAACATGCGCGTGGGAGTGCACTTGGGAACGTTCTCTG  
TGGTGTGATTGGTCTCCAGAAGTGGCAGTATGACGTGTGGTCTCATGATTTACTTTGGCCAACCATG  
GAAGCTGGAGGAGTCCCTGGACGTGTTACATTTCTCAGTCACTCTGGAGCACTGAATGGGGCTTATA  
AAGTGGAGGAAGGAGACGGTGAATAAGAGACCCATATTTAAAGCAGCATTTGGTAAAACCTACTTTGT  
AATCAACCCCAAGGGAGAAAGACGGAGTCTCAGCATCTTTCAGACCTCGACACTCTGGATGGAGCC



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AAGATGAGAGCATCTGTCCGCATGACCCGGTACTTGGAGTCTGGGGAGCAGCCAAGCCATTTGCACATC  
 TGCACCACAGAGATAGCATGACCACAGAGAATGGGAAGATTAGCACCACGGATGTCCAATGGGTCAACA  
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 ATGATCCAAGCAATTGACGGGATCAACGCACAAAAGCAATGGCTCAAGTCAAGACATTCAAAGAATCT  
 CCCTGTTTTCTATACAAAAAATAGAAAAAGAAATCGAGCCACTGCACTGCCAGCATTCAAGTACTA  
 CGTGACCTGTGCCTGCCTCATCTTCTCTGTATCTTCTTGTACAGATTCTTGTACTGCCAAAAACGTCC  
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 CAACCGCCCATGGCCACGGATCTCCCTCAGATCGTCACCACAGCTATCATACTAACCATGGCTGTGTTT  
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 CTGTCCCAGACAACCAGACAGCAATTCTCATGCACGAAACTGTTTTTCTCCCGTACTTCATATACAG  
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 AAGTTCAAAAAGAGCGGGAGGAGATCGAAACCATGGAGAACCTAAACCGAGTGTCTGGAGAAGCTGC  
 TACCTGCACACGTGGCTGAACACTTCTGGCCAGGAGCCTGAAAAACGAGGAGTTGTACCACAGTCCCTA  
 CGATTGTGTCTGTGTATGTTTGCCTCCATTCCGGACTTCAAGGAATTCTACACGGAGTCAGATGTGAAC  
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 CGAAGTTCAGTGGCGTTGAAAAGATCAAGACCATTGGTAGCACATACATGGCAGCCACGGGTCTGAGTGC  
 TGTACCCAGTCAAGAGCACGCCAGGAACCCGAGCGTCAATACATGCACATAGGCACCATGGTGGAGTTT  
 GCATACGCCCTGGTGGGAAACTGGATGCCATCAATAAGCACTCCTTCAACGACTTCAAACCTCGAGTGG  
 GTATCAACCATGGACCTGTAATAGTGGCGTCAATAGGGGCTCAGAAGCCACAATGACATCTGGGGCAA  
 CACTGTCAACGTGCTAGTAGGATGGACAGCACCGGAGTCTGGACAAAATACAGGTGACTGAGGAGACA  
 AGCCTCATCTGCAGACGCTTGGCTACAGTGTACATGTGAGGTATCATCAACGTGAAGGGGAAAGGGG  
 ACCTGAAGACGTACTTTGTAACACCGAGATGTACGGTCCCTTTCTCAGAGCAACTGGCTTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR218935 representing NM\_153534  
 Red=Cloning site Green=Tags(s)

MWQEMRRRRYLRDRAEAAAAAAGGGEGLQRSRDWLYESYYCMSQQHPLIVFLLLVIMGACLALLAVFF  
 ALGLEVEDHVAFLITVPTALAIFFAIFILVCIESVFKLLRVFSLVIWICLVAMGYLFMCFGGTVSAWDQ  
 VSFFLFIIFFVYVYMLPFNMRDAIIASVLTSSSHTIVLSVYLSATPGAKEHLFWQILANVIFICGNLAGA  
 YHKHLMELALQTYRDTNCIKSRIKLEFEKRQERLLLSLLPAHIAMEMKAEIIQRLQGPKAGQMENTN  
 NFHNLYVYKRHTNVSILYADIVGFTRLASDCSPGELVHMLNELFGKFDQIAKENEKMRILKILGDCYCYVSG  
 LPISLPHAKNCVKMGLDMCEAIKKVRDATGVDINMRVGVHSGNVLCGVIQLQKWQYDVVSHDVTLANHM  
 EAGGVPGRVHISSVTLLEHLNGAYKVEEGDGEIRDPYKQHLVKTYFVINPKGERRSPQHLFRPRHTLDGA  
 KMRASVRMTRYLESWGAAKPFAHLHHRDSMTTENGKISTDVPMGQHNFRNRTLRTKSQKRFEEELNER  
 MIQAIDGINAQKQLKSEDIQRISLFFYNKNIEKEYRATALPAFYVYVTCACLIFLCIFIVQILVLPKTS  
 ILGFSFGAAFLSLIFILFVCFAGQLQCSKKASASLLWLLKSSGIIANRPWPRIISLITVTTAAILTMAVF  
 NMFFLNSEETLPTANASNANVSVPDNTAILHARNLFLPYFYIYSCILGLISCSVFLRVNYELKMLIM  
 MVALVGYNIILLHHAHVLDAVSQVLFQRPGIWKDLKTMGSVLSIFFITLLVLGRQSEYCRDLDFLWKN  
 KFKKEREETMENLNRVLLENVLPAHVAEHFLARSLKNEELYHQSYDCVCMFASIPDFKEFYTESDVN  
 KEGLECLRLLEIIADFDDLLSKPKFSGVEKIKTIGSTYMAATGLSAVPSQEHQAQEPERQYMHIGTMVEF  
 AYALVGKLDINKHSFNDFKLRVGINHGPVIAAGVIGAQPQYDIWNGTVNVASRMDSTGVLDKIQTVEET  
 SLILQTLGYTCTCRGIINVKGKGLKTYFVNTEMSRSLSQSNLAS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9002\\_c03.zip](https://cdn.origene.com/chromatograms/mm9002_c03.zip)



- 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\\_153534.2](#), [NP\\_705762.2](#)

**RefSeq Size:** 4211 bp

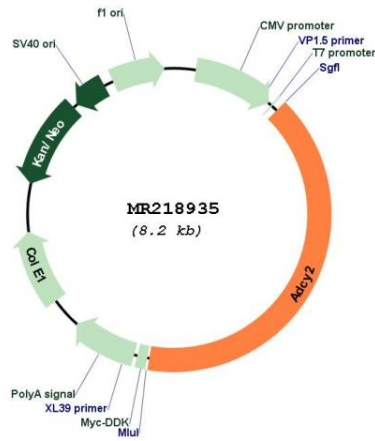
**RefSeq ORF:** 3288 bp

**Locus ID:** 210044

**Cytogenetics:** 13 35.55 cM

**MW:** 124.4 kDa

**Product images:**



Circular map for MR218935