

## Product datasheet for **MR216220**

### Adam29 (NM\_175939) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Adam29 (NM_175939) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Adam29
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide  
Sequence:

>MR216220 representing NM\_175939  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGAATATGATTGAAGCATTATTATCCATGAGAGTCTTGTTCCTGACACAAGTGTGGGATTTCTCTGT  
GTTTTCTGGACTCACAAGGCTGGACATCTGCACTACCCAGTCCCATAGAAGTGGTGATTCCCATGAA  
GGTAACTGAGAAAACCAGAGGAATGAACCTTCCAAATTGGATCTCCTATAGCCTTAAACTGGAGGCCAG  
AGATACATCATCCACATGAAGATCAAGAATCTTTTTCTAACAGGCACCTTCCAGTGTTACCTACTCTG  
ATCAGGACTCTCTGCTTGAAGATTACCCTTTGTACAGGATGACTGCTACTACCAAGTTATGTGGAGGG  
TGACTCAGAATCATTAGTTTCCCTCAGTTCCTGTTTTGGAGGCTTTCATGGACTATTAGAGATAAATAAT  
ATTGTTTATGAAATTATGCCAAGAAGTTTTCTAGGAAATTTGAACATCTGGTCTATAAAGTGGACAGTA  
ATAAACAGAATCAAGGGTTCAGCCTTATGCAAGATAACATAACATGCCAAGTAGAGTTACAAAAAG  
TGTAATCCCATCTCAAGCAAAGTAGTTTTGAAGACTGGTGGACCCATACTAAAATTGTTGAATTAGTA  
GTGGTGGTGGATAAGACTCTATATGACCACTATGGAAATATACAGTAATGCTGTGAGATCTGTATTCTG  
TGATAATATAGTGGATACCATTATGAGGTAATTGGTATTAATAATTATTGGTTGGTGTGGAGGTTTTG  
GAATAAGAAAAATCTTATTGTGATAGATGACGTAAGTAAATCTCTAAGACTATATTGCCGGTGGAAAGCC  
TCAAACTTTCTTCATCGTTTAAACATGATGTCTCGCATCTTTTCATATATAGGCACTTGAGAGGATTA  
GTGGCATAGGTTCCACTGGGGGATTTGTGATCCAAAACGTAGTTGTGCAGTTGTTACTTTCATAGACAG  
AACTTTGAACCTTCGTGCCATTGGAGTGGCTCATCACTTAGGTCAATAATTTGGGCATGAAACATGATGAA  
GATATATGTAAGTGTAGTTACAGTAAATGTATAATGCACATGGACAGCCACCGATACCCAAATTCAGCA  
ATTGTAGCTATAATTACTTTTGGTCTTACACTGTAAGAACAACAAGGTGTTTGTGAGAAAACATGTACAC  
AAAGGATATCTTTGACAGGACACGCTGTGAAATGGTGTGTTGTAAGACAAGAACAATGTGACTGTGGA  
TCATTAAGGAATTGTACAAATGACCTTTGTTGCATGTCAAACGCACTCTGAGTACTGGGTCTTCTGTG  
CCTTTGGACTTTGCTGCAAAAACGTGAGTTTTTACCATCAGGGACTCTGTGTAGAAAAAGGATAACAT  
TTGTGACCTTCCAGAGTGGTGAATGGGACGTCCCATGAATGTCCAGATGATGCTTATGTAGAAGATGGA  
ATTCCTGTGGGGTCTCAGCCTATTGCTATGAAAAGCAATGTAATGACCGCAATGAGCACTGTAGGCAAA  
TTTTTGGCCAGAATGCAAAGACTGCAAGTGTACATTGCTACAGAGAAATAAACACTAAAGGTGATCGTTT  
TGGCCATTGTGGTCTTCAGGGACCTACTTACATAAAATGTAAGCAATGATGCTCTTTGTGGAAGAATT  
CAATGTGATAATGTGGTACAAATCCCAATATGAAAGATCACAGTACTATTCACCTTGTCTTGTCAAAA  
ATGTATCTTGCTGGGGCACTGATTACCACACTGGGACAAGCCTAACTGATATAGGCGATGTGAAAGATGG  
CACAGAGTGTGAGCAAAATCATATCTGTATCAATAGGCATTGTGTACATATATCTACATTAGACAGCAAC  
TGTACACCTGCATTCTGTAATTACAGGGGCATCTGTAACAATAAACATCACTGCCACTGCAACTCCACT  
GGGATCCTCCTAACTGTATGATTAGAGGACATGGAGGTAGTGTAGACAGTGGCTTACCTCCTAAAAACAA  
TAAAAAGAAACATTTCTTCTATCTGCTTCTATTACAGCTCATTATTTGGCTTGCCTTTTAAAGTTGTCTT  
CTTTGGCTACTTTTTAATAAAAAGGAAGTAAACGAAAGCCCAAGTTCAGCCTACACCTGTAACAAACAA  
AGAAAGTTTCAAAGAAAGTTCCAAGCAAAAACCGAGTCCAGTGCCTTCCCGAGTCTACCTCAATTAAG  
AATGCCATCACGATCTGCTTACCAACATCATCCATAAAAAGTACCAAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR216220 representing NM\_175939  
 Red=Cloning site Green=Tags(s)

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MNMIEALLSMRVLFLTQVFGIFLCFPGLTKAGHLHYHSSIEVVIPMKVTEKTRGMNLPNWIYSYSLKLGQ
RYIIHMKIKNFLTRHLPVFTYSDQDLSLEDPFVQDDCYQGYVEGDSESLVLSLSCFCGGFHGLLEINN
IVVEIMPKKFSRKFEHLVYKVDNKTESRGSMLQDNITCQVELQKSGNPILKQSSFEDWWTHTKIVELV
VVVDKTLVDHYGNYTVMLSDLYSVINIVDTIYEVIKILLVGVVWNNKNIIVIDDVSKSLRLYCRWKA
SNFLHRLKHDVSHLFIYRHLRGLSGIGSTGGICDPKRSCAVVTFIDRTLNLRAIGVAHHLGHNLMGMKDE
DICKCSYSKCIHMDSPPPKFSNCSYNYFWSYTVKNTRCLMENMYTKDIFDRTRCGNGVVEDKEQCDCG
SLRNTNDLCCMSNCTLSTGSSCAFGLCCKNCQFLPSGTLCKRDNICDLPEWCNGTSHECPDDAYVEDG
IPCGVSAICYEKQCNDRNEHCRQIFGQNAKTASVHCYREINTKGDRFGHCGLQGPTYIKCKSNDALCGRI
QCDNVVQIPNMKDHSIHFALVKNVSCWGTDYHTGTSLTDIGDVKDGECEQNHICINRHCVHISTLDSN
CTPAFCNYRGICNNKHHCHCNFHWDPNCMIRGHGGSVDSGLPPKTNKKKHFFYLLLLQLIILACLSSCL
LWLLFNKIGSKRKPQVQTPVKTKKVSQKPSVPSPSLPQLRMPSPRSASPTSSIKSTN
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9013\\_c03.zip](https://cdn.origene.com/chromatograms/mm9013_c03.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

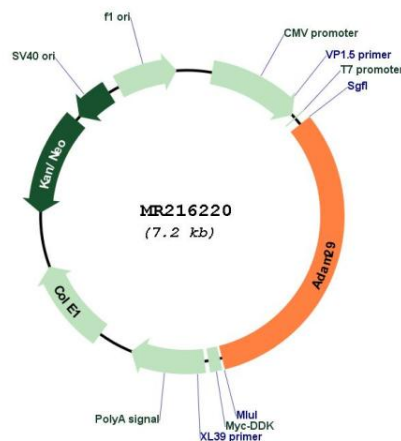
**ACCN:** NM\_175939

**ORF Size:** 2289 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.

<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>	<u>NM_175939.3, NP_787953.2</u>
<b>RefSeq Size:</b>	2742 bp
<b>RefSeq ORF:</b>	2292 bp
<b>Locus ID:</b>	244486
<b>Cytogenetics:</b>	8 B2
<b>MW:</b>	86.9 kDa
<b>Gene Summary:</b>	This gene encodes a member of a disintegrin and metalloprotease (ADAM) family of endoproteases that play important roles in various biological processes including cell signaling, adhesion and migration. The encoded preproprotein undergoes proteolytic processing to generate a mature, functional protein. [provided by RefSeq, May 2016]

**Product images:**


Circular map for MR216220