

Product datasheet for **MG216220**

Adam29 (NM_175939) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adam29 (NM_175939) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Adam29
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG216220 representing NM_175939
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAATATGATTGAAGCATTATTATCCATGAGAGTCTTGTTCCTGACACAAGTGTGGGATTTCTCTGT
 GTTTTCTGGACTCACAAGGCTGGACATCTGCACTACCCAGTCCATAGAAGTGGTGATTCCCATGAA
 GGTAAGTGAAGAAACAGAGGAATGAACCTTCCAAATTGGATCTCCTATAGCCTTAAACTTGGAGGCCAG
 AGATACATCATCCACATGAAGATCAAGAATCTTTTTCTAACAGGCACCTTCCAGTGTTCACCTACTCTG
 ATCAGGACTCTCTGCTTGAAGATTACCCTTTGTACAGGATGACTGCTACTACCAAGTTATGTGGAGGG
 TGACTCAGAATCATTAGTTTCCCTCAGTTCCTGTTTTGGAGGCTTTCATGGACTATTAGAGATAAATAAT
 ATTGTTTATGAAATTATGCCAAGAAGTTTTCTAGGAAATTTGAACATCTGGTCTATAAAGTGGACATTA
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 TGGAATCCCATCTCAAGCAAAGTAGTTTTGAAGACTGGTGGACCCATACTAAAATTGTTGAATTAGTA
 GTGGTGGTGGATAAAGACTCTATATGACCACTATGGAAATATACAGTAATGCTGTGAGATCTGTATTCTG
 TGATAATATAGTGGATACCATTATGAGGTAATTGGTATTAATAATTATTGGTTGGTGTGGAGGTTTTG
 GAATAAGAAAAATCTTATTGTGATAGATGACGTAAGTAAATCTCTAAGACTATATTGCCGGTGGAAAGCC
 TCAAACTTTCTTCATCGTTTAAACATGATGTCTCGCATCTTTTCATATATAGGCACTTGAGAGGATTA
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 ATTGTAGCTATAATTACTTTTGGTCTTACACTGTAAGAACAACAAGGTGTTTGATGGAAAAACATGTAC
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 TTTTGGCCAGAATGCAAAGACTGCAAGTGTACATTGCTACAGAGAAATAAACACTAAAGGTGATCGTTT
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 CTTTGGCTACTTTTTAATAAAAAGGAAGTAAACGAAAGCCCAAGTTCAGCCTACACCTGTAAAAACAA
 AGAAAGTTTCAAAGAAAGTTCCAAGCAAAAACCGAGTCCAGTGCCTTCCCGAGTCTACCTCAATTAAG
 AATGCCATCACGATCTGCTTACCAACATCATCCATAAAAAAGTACCAAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG216220 representing NM_175939
 Red=Cloning site Green=Tags(s)

MNMI EALLSMRVLFLTQVFGIFLCFPGLTKAGHLHYHSSIEVVIPMKVTEKTRGMNLPNWISYSLKLGGO
 RYIIHMKIKNFLTRHLPVFTYSDQDSLLEDYPFVQDDCYQGYVEGDSESLVLSLSSCFGGFHGLLEINN
 IVYEIMPKKFSRKFEHLVYKVDINKTESRGSLLMQDNITCQVELQKSGNPILKQSSFEDWWTHTKIVELV
 VVVDKTLVDHYGNYTVMLSDLYSVINIVDTIYEIVIGIKILLVGVVEVWNNKNIIVIDDVSKSLRLYCRWKA
 SNFLHRLKHDVSHLFIYRHLRGLSGIGSTGGICDPKRSCAVVTFIDRTLNLRAIGVAHHLGHNLMGMKHDE
 DICKCSYSKCIHMDSPPPIPKFSNCSYNYFWSYTVKNTRCLMENMYTKDIFDRTRCGNGVVEDKEQCDCG
 SLRNTNDLCCMSNCTLSTGSSCAFGLCKNCQFLPSGTLCKRDNICDLPEWCNGTSHECPDDAYVEDG
 IPCGVSAICYEKQCNDRNEHCRQIFGQNAKTASVHCYREINTKGDRCGHCGLQGPTYIKCKSNDALCGRI
 QCDNVVQIPNMDHSTIHFALVKNVSCWGTDYHTGTSLTDIGDVKDGECEQNHICINRHCVHISTLDSN
 CTPAFCNYRGICNNKHHCHCNFHWDPNCMIRGHGGSVDSGLPPKTNKKKHFFYLLLLQLIILACLLSCL
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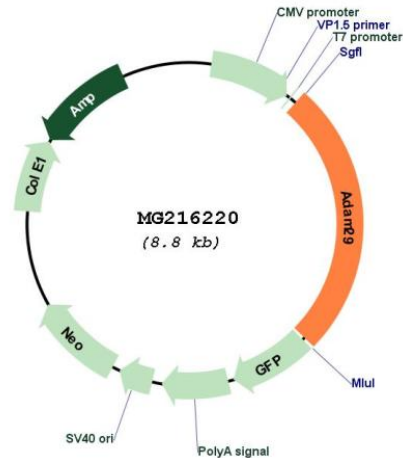
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:


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.

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_175939.2](#)

RefSeq Size: 2742 bp

RefSeq ORF: 2292 bp

Locus ID: 244486

Cytogenetics: 8 B2

Gene Summary: 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]