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Product datasheet for MG220343

Adam28 (NM_001048175) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adam28 (NM_001048175) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Adam28
Synonyms:	C130072N01Rik; D430033C21Rik; Dtgn; Dtgn1; eMDCII; MDC-; MDC-L; MDCL; TECADAM
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

ORF Nucleotide Sequence:

>MG220343 representing NM_001048175
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCAGCAATGGAGTCTTCTGGTAGTCTCTTTCCTTCTTTCTCCAGTTCCAGTAAGTGCAATAAAAGAAC
TCCCTAAAGCCAAGAAATATGAAGTGGTTTATCCCATAAGACTTCATCCATTGCGTAAAAGAGAGACCCA
AGAGCCAGAGCCAAAGGAAACATTTGAAACTGAGCTAAGGTACAAAATGACAGTAAATGGAAAGGTTGCT
GTGCTGTATCTGAAGAAGAACAACAAGCTCCTTGCGCCTGACTACTCGGAAACATACTATAATTCCAGTG
GAAACAAGGTCACCACAAGCCCGCAAATCATGGATAGCTGTTACTACCAAGGACACATCGTAAATGAGAA
AGTTTCTGCAGCCAGCATCAGCACCTGTCAAGGACTACGGGGTTACATCAGTCAAGGAGATGAAAAGTAT
TTTATCGAACCTTTGAGCTCGGAGAACTTGGATGAACAGGCACATGCACTCTTCAAGGACGACTCCAATG
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CCTCCCTGCCACCAGGTTGATTAAGTTGAATGATGGGATGGTTCAAGAACCTAAGAAATACATAGAATAT
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TTGAGATGGCCAATTACATCAACATGCTTTACAATAAGCTTGATGCCCACGTGGCCTTAGTTGGAGTGGA
AATCTGGACCGATGGGGATAAAATAAAGATAACACCAGATGCCAACACCACCCTGGAAAACTTCTCTAAG
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GGACCACAGTAACTACCATCTTCGAGTCGCAGGAACAATGGCTCATGAAATGGGTCACAATCTTGGCATG
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TGCCTACAGACTTCAGCTCCTGCAGTCGTGTCAATTACAAACAGTTTCTTGAAGAAAAATTATCGCATTG
CCTCTTTAATAGCCCATTGCCATCAGATATCATATCCACCCCAGTCTGTGGGAACCAGTTGTTGGAAATG
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AACTGCTCCTCAAAGTGCAAGGGGCACGCAGTGTGTGACCATGAGCTTCAGTGTCAGTGCAAGGAAGGAT
GGGCCCCTCCTGACTGCGAGAATTCAGCCACAGTCTTCCACTTCTCCATCGTGGTTGGCGTGCTTTTCCC
CCTAGCAGTCATATTTGTGGTGGTTGCTATAGTGATCCAGCGCCAAAGTGCCAGAAGGAAGCAGAGGAGA
GTTCAGAGGCTACCATCCACCAAGGATGCCAAGCTACACAATCAGAAGTGTAGACCCCAAAAGGTGAAGG
ATGTTCAACCCCAGGAGATGAGTCAGATGAAAAAGCTCCATGTGTCTGATCTGCCCTCTGAAGAGCCGGA
GCCTCCACCTGATGTCCTAATCACAAAGCCAAATTTCCCACCACCACCAATTCCTGTTTCCTTGGACCCA
AATGCAAAAGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

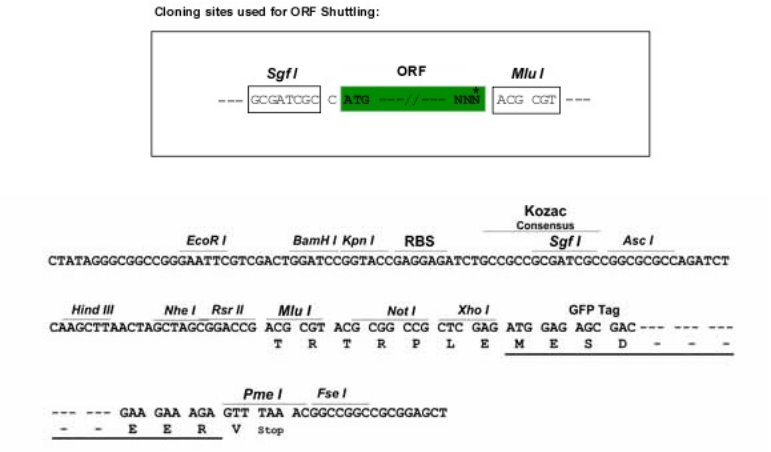
>MG220343 representing NM_001048175
Red=Cloning site Green=Tags(s)

MQQWSLLVVSFLLSPVPVSAIKELPKAKKYEVVYPIRLHPLRKRETQEPEPKETFETELRYKMTVNGKVA
VLYLKKNNKLLAPDYSETYYNSSGNKVTTSPQIMDSCYYQGHIVNEKVSAASISTCQGLRGYISQGDEKY
FIEPLSSENLDEQAHALFKDDSNEDQEKSNCGVDDALWLQGLHQDVALPATRLIKLNDGMVQEPKKYIEY
YVVLDNGEFKKYNKNLAEIRKIVLEMANYINMLYNKLDAHVALVGVEIWTDGDKIKITPDANTTLENFSK
WRGNDLLKRKHHDIAQLISSTDFSGSTVGLAFMSSMCSPYHSVGIVQDHSNYHLRVAGTMAHEMGHNLGM
IHDYLSCKCPSEVCVMEQSLRFHMPTDFSSCSRVNYKQFLEEKLSHCLFNSPLPSDIISTPVCGNQLLEM
NEDCDCGTPKECTNKCCDARTCKIKAGFQCALGECCEKCQLKKPGVVCRAAKDECDLPEVCDGKSSHCPG
DRFRVNGSPCQNGHGYCLKGKCPTLQQQCMDMWGPGTKVANTSCYKQNEGGTKYGYCHVENGTHMPCKAK
DAMCGKLFCEGGSGDLPWKGLTISFLTCKLFDPEDTSQGVDMVANGTKCGTNKVCINAECVDMEKTYKSA
NCSSKCKGHAVCDHELQCQCKEGWAPPDCENSATVFHFSIVVGVLFPLAVIFVVVAIVIQRQSARRKQRR
VQRLPSTKDAKLHNQKCRPQKVKDVQPQEMSQMKKLHVSDLPSEEPEPPPDVLITKPNFPPPPIPVSLDP
NAKV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

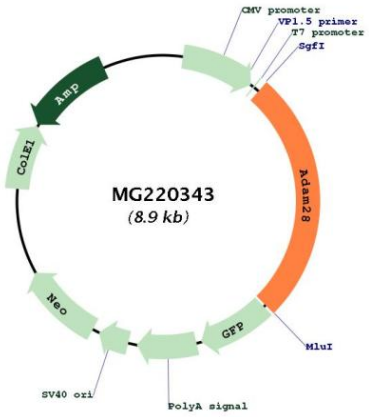


ACCN: NM_001048175

ORF Size: 2322 bp

OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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_001048175.2, NP_001041640.1
RefSeq Size:	4054 bp
RefSeq ORF:	2325 bp
Locus ID:	13522
UniProt ID:	Q9JLN6
Cytogenetics:	14 D1
Gene Summary:	This gene encodes a member of the ADAM (a disintegrin and metalloprotease domain) family. Members of this family are typically membrane-anchored, although a form of this protein may be secreted. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate a mature protein product. This protein may bind to integrins and regulate lymphocyte migration by enhancing cell adhesion. [provided by RefSeq, Aug 2015]

Product images:



Circular map for MG220343