

## Product datasheet for **MG224217**

### Adam28 (NM\_010082) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Adam28 (NM_010082) 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)



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**ORF Nucleotide Sequence:**

>MG224217 representing NM\_010082  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCAGCAATGGAGTCTTCTGGTAGTCTCTTTCTTTCTTCTCCAGTTCAGTAAGTGAATAAAAGAAC  
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**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG224217 representing NM\_010082  
 Red=Cloning site Green=Tags(s)

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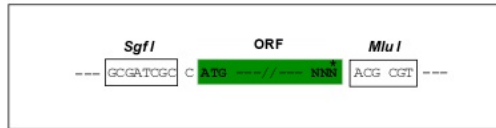
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RAKVPFVKTPHPFSQQIGRVYLK
  
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TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**ACCN:** NM\_010082

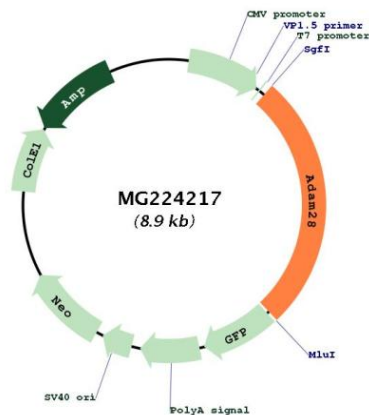
**ORF Size:** 2379 bp

**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><a href="#">NM_010082.2</a></u> , <u><a href="#">NP_034212.1</a></u>
<b>RefSeq Size:</b>	3110 bp
<b>RefSeq ORF:</b>	2382 bp
<b>Locus ID:</b>	13522
<b>UniProt ID:</b>	<u><a href="#">Q9JLN6</a></u>
<b>Cytogenetics:</b>	14 D1
<b>Gene Summary:</b>	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 MG224217