

## Product datasheet for **RG239446**

### ADAM12 (NM\_001288975) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ADAM12 (NM_001288975) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ADAM12
Synonyms:	ADAM12-OT1; CAR10; MCMP; MCMPMltna; MLTN; MLTNA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG239446 representing NM\_001288975.  
 Blue=ORF Red=Cloning site Green=Tag(s)

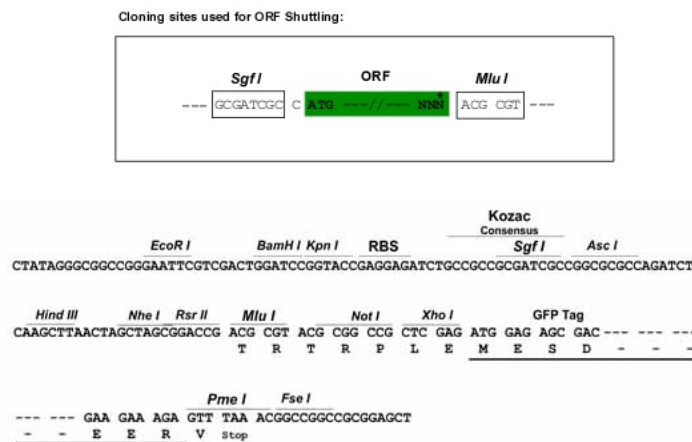
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CGCGGCCAGGGCCAGGAGCCCGTGGGATCGCAGGAGCATGCGTCTACTGCCTCACTGACACTCATC
ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAAAC
```

**Protein Sequence:** >Peptide sequence encoded by RG239446  
 Blue=ORF Red=Cloning site Green=Tag(s)

MAARPLVSPARALLLAGALLAPCEARGVSLWNQGRADEVVSASVSGDLWIPVKSFDSKNHPEVLN  
 IRLQRESKELIINLERNEGLIASSFTETHYLQDGTDVSLARNYTGHCYYHGHVVRGYSDSAVSLSTCSGL  
 RGLIVFENESYVLEPMKATNRYKLFPAKKLSVRGSCGSHHNTPNLAAKNVFPSPQWARRHKRETL  
 KATKYVELVIVADNREFQRQGDLEKVKQRLIEIANHVDFYRPLNIRIVLVGVVEVWMDKCSVSQDP  
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**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001288975

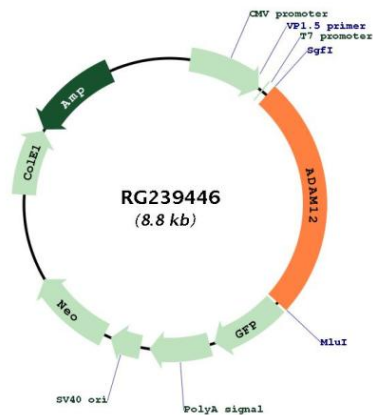
**ORF Size:** 2205 bp

**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>RefSeq:</b>	<a href="#">NM_001288975.2</a>
<b>RefSeq Size:</b>	3411 bp
<b>RefSeq ORF:</b>	2208 bp
<b>Locus ID:</b>	8038
<b>UniProt ID:</b>	<a href="#">O43184</a>
<b>Cytogenetics:</b>	10q26.2
<b>Protein Families:</b>	Druggable Genome, Protease, Secreted Protein, Transmembrane
<b>MW:</b>	80.5 kDa
<b>Gene Summary:</b>	This gene encodes a member of a family of proteins that are structurally related to snake venom disintegrins and have been implicated in a variety of biological processes involving cell-cell and cell-matrix interactions, including fertilization, muscle development, and neurogenesis. Expression of this gene has been used as a maternal serum marker for pre-natal development. Alternative splicing results in multiple transcript variants encoding different isoforms. Shorter isoforms are secreted, while longer isoforms are membrane-bound form. [provided by RefSeq, Jan 2014]

### Product images:



Circular map for RG239446