

Product datasheet for **RG239451**

ADAM12 (NM_001288974) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADAM12 (NM_001288974) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ADAM12
Synonyms:	ADAM12-OT1; CAR10; MCMP; MCMPMItna; 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:

>RG239451 representing NM_001288974.
Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGGCAGCGCGCCCGCTGCCCGTGTCCCCCGCCGCGCCCTCCTGCTCGCCCTGGCCGGTGTCTGTCTC
GCGCCCTGCGAGGCCCGAGGGGTGAGCTTATGGAACCAAGGAAGAGCTGATGAAGTTGTAGTGCCTCT
GTTGGGAGTGGGACCTCTGGATCCAGTGAAGAGCTTCGACTCCAAGAATCATCCAGAAGTGTGAAT
ATTCGACTACAACGGAAAGCAAAGAAGTATGATCAAAATCTGAAAGAAATGAAGGTCTCATTGCCAGC
AGTTTCACGAAACCCACTATCTGCAAGACGGTACTGATGTCTCCCTCGCTCGAAATTACACGGGTAC
TGTTACTACCATGGACATGTACGGGATATTCTGATTCAGCAGTCAGTCTCAGCACGTGTTCTGGTCTC
AGGGGACTTATTGTGTTGAAAATGAAAGCTATGTCTTAGAACCAATGAAAAGTGAACCAACAGATAC
AAACTCTCCAGCGAAGAAGCTGAAAAGCGTCCGGGGATCATGTGGATCACATCACAACACACCAAAC
CTCGCTGCAAAGAATGTGTTCCACCACCCTCTCAGACATGGCAAGAAGGCATAAAAGAGAGACCCCTC
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TGCGCACATGGGCTGTGCTGTGAAGACTGCCAGCTGAAGCCTGCAGGAACAGCGTGCAGGGACTCCAGC
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AACACAGGAAGAAGTGCCTGCGAGGGCCACTGGGCACCTCCCTTCTGTGACAAGTTTGGCTTTGGA
GGAAGCACAGACAGCGGCCCATCCGGCAAGCAGGAAAGCAAGGCAGGAAGCTGCAGAGTCCAAC
AGGGAGCGCGCCAGGGCCAGGACCCCTGGGATCGCAGGAGCATGCGTCTACTGCCTCACTGACACTC
ATC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG239451
 Blue=ORF Red=Cloning site Green=Tag(s)

MAARPLVSPARALLLAGALLAPCEARGVSLWNQGRADEVVSASVSGDLWIPVKSFDSKNHPEVLN
 IRLQRESKELIINLERNEGLIASSFTETHYLQDGTDSLARNYTGHCYYHGHVGRVSDSAVSLSTCSGL
 RGLIVFENESYVLEPMKATNRYKLFPAKKLSVRGSCGSHHNTPLAAKNVFPSPQTWARRHKRETL
 KATKYVELVIVADNREFQRQGDLEKVKQRLIEIANHVDFYRPLNIRIVLVGVVEVWMDKCSVSQDP
 FTSLHEFLDWRKMKLLPRKSHDNAQLVSGVYFQGTITIGMAPIMSMCTADQSGGIVMDHSDNPLGAAVTL
 AHELGHNFGMNHDTLDRGCSCQMAVEKGGCIMNASTGYPFPMVFSCSRKDLETSLKGMVCLFNLPE
 VRESFGGQKCGNRFVEEGEECDGPEECMNRCCNATTCTLKPDAVCAHGLCCEDCQLKPAGTACRDSS
 NSCDLPEFCTGASPHCPANVYLHDGHSCQVDVGYCYNGICQTHEQQCVTLWPGAKPAPGICFERVNSA
 GDPYGNCGKVKSSFAKCEMRDAKCGKIQCQGGASRPVIGTNAVSIETNIPLQQGGRILCRGTHVYLG
 DMPDPGLVLAGTKCADGKICLNRQCQNI SVFGVHECAMQCHGRVCNNRNKNCHEAHWAPPFCDFKFG
 GSTDSGPIRQAGKEARQAAESNRERGGQEPVGSQEHASTASLTLI
 TRTRPLEMESDESLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYTNRIEKYEDGGVLHVFSYRYEAGRVIGDFKVMGTGFPE
 SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVD SHMHFKSAIHP SILQNGGPMFA
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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001288974

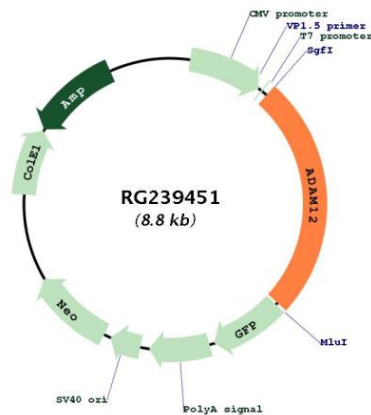
ORF Size: 2211 bp

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).
RefSeq:	NM_001288974.2
RefSeq Size:	3417 bp
RefSeq ORF:	2214 bp
Locus ID:	8038
UniProt ID:	O43184
Cytogenetics:	10q26.2
Protein Families:	Druggable Genome, Protease, Secreted Protein, Transmembrane
MW:	80.7 kDa
Gene Summary:	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 RG239451