

Product datasheet for **RG237743**

C2orf65 (M1AP) (NM_001281295) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C2orf65 (M1AP) (NM_001281295) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	M1AP
Synonyms:	C2orf65; D6Mm5e; SPATA37; SPGF48
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237743 representing NM_001281295. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
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ACATATGGACTCCGTTTCATCCTCAGACCTACAAGCTGTTGGCAGCTGGACTGGGATGAGCTGGAGACA
AATCAGCAACATTTCCATGCTTTGTGTACAGCCTGCTGGTGAGTACCCATGTCCCCAGG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG237743
 Blue=ORF Red=Cloning site Green=Tag(s)

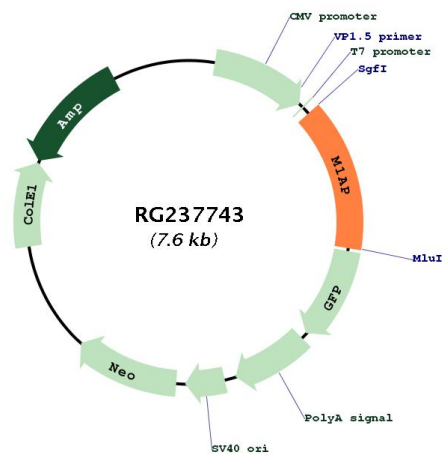
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 TSLEITILTSQPGKEVVKLEEGLKDTDLARVRRFQVVEVTKGILEHVDASPVEDTSNDESSILGTDI
 DLQTIIDNDIVSMEIFFKAWLHNSGTDQEIQIHLSSQCFSNISRPRDNPMLCKCDLQERLLCPSLLAGT
 ADGSLRMDDPKGDFITLYQMASQSSASHYKLQVIKALKSSGLCESLTYGLPFILRPTSCWQLDWELET
 NQQHFHALCHSLLVSTHVPR
 TRTRPLEMESDEGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
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 SVIFTDKIIRSNTAVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001281295
ORF Size:	1095 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_001281295.2
RefSeq Size:	1394 bp
RefSeq ORF:	1098 bp
Locus ID:	130951
UniProt ID:	Q8TC57
Cytogenetics:	2p13.1
MW:	41.4 kDa
Gene Summary:	This gene encodes a protein that is likely to function in progression of meiosis. A similar protein in mouse plays a role in gametogenesis in both sexes. Alternate splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2013]