

Product datasheet for **RG238719**

C2orf65 (M1AP) (NM_001281296) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C2orf65 (M1AP) (NM_001281296) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C2orf65
Synonyms:	C2orf65; D6Mm5e; SPATA37; SPGF48
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG238719 representing NM_001281296.
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGCATCTGGGCGAACTACTGGTAAAGGGCCCTACTCACACTCAGATTGACCAGCAACCTCCACGG
CTTCTCATTGTGCACATTGCTCTACCGCTGGGCTGACATCTGCACCAACCTCTGTGAGGCTCTGCAG
AACTTCTTCTCTAGCCTGCAGCTTGATGGGCCCCAGCCGCATGTCCTGTTCACTTTATACATGGTA
CAAGATCAGCATGAGTGCATCCTCCCTTTGTGCAAGTAAAGGGAACCTTGTAGGTTGCAGACCTGC
ATCTCAGAACTCCGCATGTTACAGAGAGAAGGGTGTTCAGATCACAAGGTGCTTCTCTGCGGCTGGCA
GTAGAGGATGGGCTCCAGCAATCAAACAATACAGCAGACATGTACCACAAGGGCAGCTCTGACCTAT
ACCTCCCTGGAGATTACTATTCTGACTTCTCAGCCTGAAAAGAGGTGGTCAAACAGTTGGAGGAAGGG
TTGAAAGATACAGACCTAGCCAGAGTCAAGAGTTTCAGGTCGTTGAGGTCACAAAGGGAATCCTAGAG
CACGTGGACTCAGCGTCTCCTGTTGAGGATACCAGCAATGATGAGAGTTCTATTCTGGAACTGACATT
GACCTTCAGACTATAGACAATGATATCGTCAGCATGGAGATTTTCTTCAAAGCCTGGCTACATAACAGT
GGAACAGACCAAGAACAATCCATCTTCTTCTTCTTTCACAGTGTTCAGCAACATTTCCAGACCCAGA
GATAATCCAATGTGTCTGAAATGTGATCTCCAAGAGCGACTGCTCTGCCATCCCTACTCGCTGGCACA
GCTGACGGCTCCTTGAGAATGGATGACCCTAAAGGAGACTTCATCACACTCTACCAGATGGCTTCCCAG
TCATCGGCCTCTCATTACAAGCTCCAAGTGATCAAGGCTTTAAAACTAGCGGGCTCTGCGAGTCATTG
ACATATGGACTCCCGTTCATCCTCAGACCTACAAGCTGTTGGCAGCTGGACTGGGATGAGCTGGAGACA
AATCAGCAACATTTCCATGCTTTGTGTACAGCCTGCTGAAAAGGGAATGGCTGCTGTTAGCCAAGGGG
GAACACCGGGCCAGGACACAGCCAGAGAATTCCTGCCAGCACCTTCTATGTGATCATGCCGTCACAC
TCCCTCACACTGCTGGTAAAGGCGGTGGCCACGCGGGAAGTATGCTGCCAGCACCTTCCCCTGCTA
CCTGAGGACCCACATGATGATAGCCTTAAGAATGTGGAGAGCATGCTGGACAGCCTGGAGCTGGAGCCC
ACCTACAACCCCTTGCATGTTCAAAGCCACCTGTACTCACACCTGAGCAGCATCTATGCCAAGCCTCAG
GGGCGGCTCCACCACACTGGGAGAGCCGAGCTCCGAGAAAGACTGGGAGTTGCAGACCAACCGAGCT
CGAGCTACTGTGGCCCCCTGCCTATGACTCCTGTCCCAGGCAGAGCCTCCAAGATGCCAGCAGCCAGC
AAATCTTCTCAGATGCCTTCTTCTGCCTTCAAGTGGGAGAAGGATCCCTCAAGGCC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence:

>Peptide sequence encoded by RG238719
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MHPGRTTGKGPSTHTQIDQQPRLIVHIALPSWADICTNLCEALQNFFSLACSLMGPSRMSLFSLYMV
QDQHECILPFVQKGNFARLQTCISELRMLQREGCFRSQGASLRRLAVEDGLQQFKQYSRHVTTREALTY
TSLEITILTSQPGKEVVKQLEEGLKDTDLARVRRFQVVEVTKGILEHVDSASPVEDTSNDESSILGTDI
DLQTIIDNDIVSMEIFFKAWLHNSGTDQEIQIHLSSQCFSNISRPDPNPMCKCDLQERLLCPSLLAGT
ADGSLRMDPKGDFITLYQMASQSASHYKLQVIKALKSSGLCESLTYGLPFILRPTSCWQLDWDELET
NQQHFHALCHSLKREWLLAKGEPGPGHSQRIPASTFYVIMPESHSLTLVKAVATREMLPSTFPLL
PEDPHDSSLKNVESMLDSLELEPTYNPLHVQSHLYSHLSSYAKPQGRLLPHWESRAPRKTGQLQTNRA
RATVAPLPMTPVPGRASKMPAASKSSDAFFLPSEWEKDPSPR
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLGSFTRTFLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

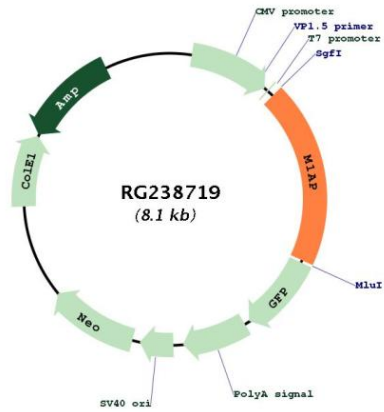
Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


- ACCN:** NM_001281296
- ORF Size:** 1578 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_001281296.1](#), [NP_001268225.1](#)
- RefSeq Size:** 2555 bp
- RefSeq ORF:** 1581 bp
- Locus ID:** 130951
- UniProt ID:** [Q8TC57](#)
- Cytogenetics:** 2p13.1
- MW:** 59.4 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]

Product images:



Circular map for RG238719