

Product datasheet for **RG203165**

FAM222B (NM_018182) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM222B (NM_018182) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FAM222B
Synonyms:	C17orf63
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG203165 representing NM_018182
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTAGCCTGTCTACCAGGGCCAGGTGACCTGTCTTTTCAGCTTCTTTCTCACACGCAGATGAACACTG
 GACTTCAGAAATGGGACACTACACAGAAAATGAGAACTGCTCACTATCCTACCCAGCCGAATTGGATGC
 GTATGCTAAGAAGGTCGCAAACAACCCACTGACTATAAAAATCTTCCCAACAGTGTGAAGTTCCCCAG
 CGGAAACACGTTCTGTCGTAAGTGTGAACGGCCTCGACACATCAGCCAGCGCTACAGCCCCTACCCGACAC
 AGGCTGCCACCAAGGCAGGCCTGCTTGCCATTGTCAAAGTGCCAGCCAAAAGCATACTCAAGGACTTTGA
 CGGCACCCGAGCCGGTTGCTCCCTGAGGCCATCATGAACCCCCAGTGGCACCCCTATGCTACTGTGGCA
 CCCAGCACTTTAGCCACCCAGGCCAGGCTCTGGCCCGCCAGCAGGCCCTGCAGCATGCACAGACCC
 TGGCCCATGCCCTCCCCAGACGCTGCAGCACCCCTCAGGGTATCCCGCCACCCAGGCACGTCCCACCC
 TCAGAGCCTCCAGCAGCCTCAGGGCCTGGGCCACCCCTCAGCCATGGCCCAAACCCAGGGCTTGGTCCAC
 CCTCAGGCCCTGGCTCACCAGGGTCTCCAGCACCCCAATCCCTTGTGCATGGAGGCCGGAAGATGC
 CAGACTCAGATGCCCCCGAATGTGACCGTGTCTACCTCAACTATCCCCCTTCAATGGCGGCCACTCT
 GCAGCACAGCCAGCCTCCGGACCTGAGTAGCATCGTGACCCAGATCAACCAAGTTTGGCAGCAGGGGCA
 GGCATCAGCACTACCTCAGTGTGTGAGGGCCAGATCGCCAACCCAGCCCCATTAGTCGCACTGTCTCA
 TCAATGCAAGCACCCGGGTGTCGACCCACAGCGTCCCCACACCAATGCCTTCATGTGTGGTCAATCCCAT
 GGAGCACACCCACGCGGCCACCGCCGCTTGCCTGCTGCAGGTCTGTCAACCTGCCACAGGCATCTCT
 CGCGTCCCCTAGGCTACCTAGCGACCTCAAGCCAGTCACTGGAACCAGCACCAGTGGCCACCTAC
 AGCAGATGTGCAGCGAGGCTAGTGGGACGCCACCCCTGGCCTGACAGGCAAGCATGCGGCAGGACGCGA
 GTTGGCAGGGCCTGGCTTTGTGGGCAAGGCCCTGCCTACCCGACAGGAACCTCTGCCTGGCGCAGTCCCTT
 CATCTGAAGCCACCCCTGGAAGCCGACCCCATCCCCACCAGTCAACGGCATGGCAGCCCCATTGGCCT
 ACCCCAATGGTCACTACTTCCAACCCCTGTGGAACAACATTCTGCCCACTCCCAATAGCGACAGCTCGGG
 GTCTCAGGACCTTGCATGCCGTTCCACGGTGGGACGCCACAGGTGCACCCCTCGACTGTGCGGCAGCT
 CCCGGGGCCCACTACCGAGCAGGACCGGGGGCGGTCCAGTGGCAAGCCAGAACAGCTTGATGCAAAACAG
 TGGATTACCTAAGTGGGATTTCCAACAGGCCTGCTCCGAGAACAGAGCCTGGCCATGCTGAGCAAGGC
 CCACCGAGCCCTGGCAACCGAGCCCCGATCCCACAGAGAGTCAAGTCTTCATATTCAGCACCCAGGG
 TATAGA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG203165 representing NM_018182
 Red=Cloning site Green=Tags(s)

MLACLPGPGDLSFQLLSHTQMNTGLQKWDTTQKMRTAHYPTPAELDAYAKKVANNPLTIKIFPNSVKVPQ
 RKHVRRTVNGLDTSARYSYPYQAATKAGLLAIVKVPKAKSILKDFDGTARLLPEAIMNPPVAPYATVA
 PSTLAHPQAQALARQALQHAQTLAHAPPQTLQHPQGIPPPQALSHPQSLQQPQGLGHPQPMQATQGLVH
 PQALAHQGLQHPHNPLLHGGRKMPDSDAPPNVTVSTSTIPLSMAATLQHSQPPDLSSIVHQINQFCQTRA
 GISTTSVCEGQIANPSPISRLLINASTRVSTHSVPTPMPSCVVPMEHTHAATAALPAAGPVNLPPTGIS
 RVPTGYPSDLKPVTWNQHLAHLQQMCSEASGTPAPGLTGKHAAGRELAGPFGVKAPAYPQELCLAQSF
 HLKPPLEKPTSPPPVNGMAAPLAYPNGHYFQPLWNNILPTPNSDSSGSQDLAMPFHGGQPTGAPLDCAA
 PGAHYRAGTGGGPVASQNSLMQTVDYLSGDFQQACFREQLAMLKAHRAPGNRAPDPTESRSLHIQHPG
 YR

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_018182

ORF Size: 1686 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).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

RefSeq: [NM_018182.4](#)

RefSeq Size: 4197 bp

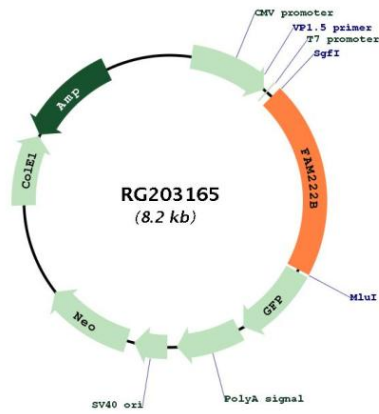
RefSeq ORF: 1689 bp

Locus ID: 55731

UniProt ID: [Q8WU58](#)

Cytogenetics: 17q11.2

Product images:



Circular map for RG203165