

## Product datasheet for **RG238215**

### FAM222B (NM\_001288640) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FAM222B (NM_001288640) 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)
ORF Nucleotide Sequence:	>RG238215 representing NM_001288640. Blue=ORF Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG  
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**  
 ATGAACCCCCAGTGGCACCTATGCTACTGTGGCACCCAGCACTTTAGCCACCCCCAGGCCAGGCT  
 CTGGCCCCGAGCAGGCCCTGCAGCATGCACAGACCTGGCCCATGCCCTCCCCAGACGCTGCAGCAC  
 CCTCAGGGTATCCCGCCACCCAGGCACTGTCCACCCTCAGAGCCTCCAGCAGCCTCAGGGCCTGGGC  
 CACCCTCAGCCCATGGCCAAACCCAGGGCTTGGTCCACCCTCAGGCCCTGGCTCACCAGGGTCTCCAG  
 CACCCCAACAATCCCTTGCTGCATGGAGGCCGAAGATGCCAGACTCAGATGCCCCCGAATGTGACC  
 GTGTCTACCTCAACTATCCCCTTTCAATGGCGGCCACTCTGCAGCACAGCCAGCCTCCGGACCTGAGT  
 AGCATCGTGCACAGATCAACCAAGTTTGGCAGACGAGGGCAGGCATCAGCACTACCTCAGTGTGTGAG  
 GGCCAGATCGCCAACCCAGCCCCATTAGTCGAGTCTGCTCATCAATGCAAGCACCCGGGTGTGACCC  
 CACAGCGTCCCCACACCAATGCCTTCATGTGTGGTCAATCCCATGGAGCACACCCACGCGCCACCGCC  
 GCGTTGCCTGCTGCAGGTCTGTCAACCTGCCCACAGGCATCTCTCGGTCCCCACTGGCTACCTAGC  
 GACCTCAAGCCAGTCACTGGAACCAAGCAGCAGCTGGCCACCTACAGCAGATGTGCAGCGAGGCTAGT  
 GGGACGCCAGCCCTGGCCTGACAGGCAAGCATGCGGCAGGACGCGAGTTGGCAGGGCCTGGCTTTGTG  
 GGCAAGGCCCTGCCTACCCGAGGAATCTGCCTGGCGCAGTCTTCCATCTGAAGCCACCCCTGGAA  
 AAGCCGACCCATCCCCACCAAGTCAACGGCATGGCAGCCCATTTGGCTACCCCAATGGTCACTACTTC  
 CAACCCCTGTGGAACAACATTCTGCCCACTCCCAATAGCGACAGCTCGGGGTCTCAGGACCTTGCCATG  
 CCGTTCACGGTGGGCAGCCACAGGTGCACCCCTCGACTGTGCGGCAGTCCCGGGGCCCACTACCGA  
 GCAGGGACCGGGGCGGTCCAGTGGCAAGCCAGAACAGCTTGATGCAACAGTGGATTACCTAAGTGGG  
 GATTTCCAACAGGCCTGCTTCCGAGAACAGAGCCTGGCCATGCTGAGCAAGGCCACCGAGCCCTGGC  
 AACCGAGCCCCGATCCACAGAGAGTCGAAGTCTTCATATTCAGCACCCAGGGTATAGA  
**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTAAAC


[View online »](#)

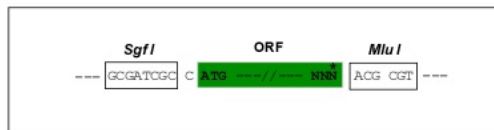
Protein Sequence: >Peptide sequence encoded by RG238215  
Blue=ORF Red=Cloning site Green=Tag(s)

MNPPVAPYATVAPSTLAHPQAQALARQQALQHAQTLAHAPPQTLQHPQGIPPPQALSHPQSLQPPQGLG  
HPQMAQTQGLVHPQALAHQGLQHPHNPLLHGGKMPDSDAPPNVTSTSTIPLSMAATLQHSQPPDLS  
SIVHQINQFCQTRAGISTTSVCEGQIANPSPISRSLLINASTRVSTHSVPTMPSCVVPMEHTAATA  
ALPAAGPVNLPTGISRVPTGYPSDLKPVTVNQHLAHLQQMCSEASGTPAPGLTGKHAAGRELAPGFV  
GKAPAYQELCLAQSFLKPPLEKPTSPPPVNGMAAPLAYPNGHYFQPLWNNILPTPNSDSSGSQDLAM  
PFHGGQPTGAPLDCAAAPGAHYRAGTGGGPVASQNSLMQTVDYLSGDFQQACFREQLAMLSKAHRAPG  
NRAPDPTESRSLHIQHPGYR  
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV  
MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED  
SVIFTDKIIRSNTAVEHLHPMGDNDLDGSFTRTFSLRDGGYYSSVDSHMHFKSAIHPSILQNGGPMFA  
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:

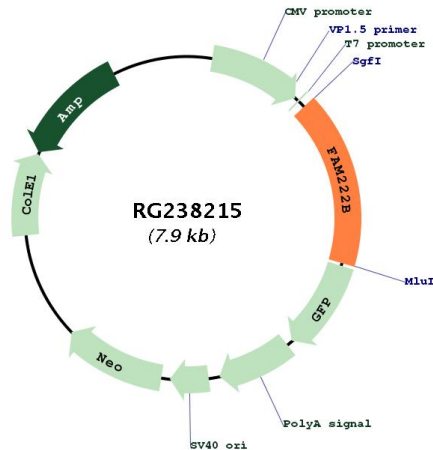
Cloning sites used for ORF Shuttling:



EcoRI BamHI KpnI RBS Kozac Consensus SgfI AscI  
CTATAGGGCGCGCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGCGCGCCAGATCT

HindIII NheI RsrII MluI NotI XhoI GFP Tag  
CAAGCTTAAGCTAGCTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC --- --- ---  
T R T R P L E M E S D - - -

PmeI FseI  
--- --- GAA GAA AGA GTT TAA ACGGCCGGCCGGGAGCT  
- - E E R V Stop

**Plasmid Map:**


**ACCN:** NM\_001288640

**ORF Size:** 1302 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\\_001288640.2](#)

**RefSeq Size:** 4067 bp

**RefSeq ORF:** 1305 bp

**Locus ID:** 55731

**UniProt ID:** [Q8WU58](#)

**Cytogenetics:** 17q11.2

**MW:** 46 kDa