

## Product datasheet for **RG208841**

### FAM217B (NM\_022106) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FAM217B (NM_022106) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FAM217B
Synonyms:	C20orf177; dj551D2.5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG208841 representing NM_022106 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAATGCTGGCCATCTTGAATAAAGTGCAACATTCAAAGAATTCCTCAGGAAAAAGGCAGAGTAAAT  
CCCAAGTACCCACGCTTCTTCCAGCCGAGAAGCAGCCTCACAGCTGTCACCCAGCCTACTGAAGAAA  
ACTTAAAGAAAGCATTTCGCCGAAGCAAGACGCAAAAGGAATCCACTCGGTTCCAGGTGTCAGGGGGCC  
TCAGGGAATAAACTGTTTCTTGATTTTCAGTCAATGAAAATTATTAAGAGAATGCTGATGAGGACAGTG  
CAAGTGATCTCTGATTCGAAAGAATCCCATTCTCCTTCTCCCTCACACCTCCAGATCTCAATCT  
TCGAGCTGAAGAAATGATCCAGTTACTTTGATCTTCACCCTGGTCAGGGCCATACAAAACCTGAATAC  
TATTATCCTAATTTCTTCCATCCCCTTCAGCTCCTGGGACCTACGAGATATGGCCCTGCTTCTGAACG  
CAGAGAACAAAACGGAAGCCGTGCCCGAGTGGGAGGACTTCTTGGGAAGTATATCGATAGACTTATTCA  
GCTTGAGTGGCTGCAAGTCCAGACTGTACAGTGTAAAAAGCAAAGGGGGCAAAGCAAGGCCCCCACT  
GCCCCTGGGACCTCAGGGGCACTGAAAAGCCCTGGGAGAAGTAAGCTAATTGCTAGTGCTGTCCAAGC  
CACTACCTCACCAGGAAGGGCTTCAAAGTCAGGCCCTCCCGAAAGAAAGCTTTTACCATGAAGAAAT  
CCACCCATCACATTATGCATTTGAGACTTCCCCTAGACCCATTGATGTGCTTGGTGGTACCAGGTTTTGT  
TCTCAGAGGCAAACCTTGAATGAGGACAGAAGAAAAGAAAAGAAATCAAGTAAGAGTACGAAGCTGC  
AGCGTGGGATCTGTCCGCAGTGAAGCAGCTCTAAGGTGAAAACCGGTCACATTCGAGTTCCCAA  
ACAGGCAGCTGTGATTCTGGACTCAGCAGATTCTGTAAGGCCTCCAAAACAAGCACATGCACATCCT  
AGGAAAAAGGAAAGGCAGAGAGCTGTGGTCATGCCACTGTATCGAGTGAGAAAAAACTGAAAACAAACG  
GAGTAAAGCAAAACACATATAAACTAAAA

**ACCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG208841 representing NM\_022106  
 Red=Cloning site Green=Tags(s)

MNAGPSWNKVQHSKNSSGKRQSKSQVPHASSQPRSSLTAVTQPTEEKLKESISPEARRKRNPLGSRQGA  
 SGNKFLDFQSMKIIKENADESASDLSDSERIPIPPSPLTPDLNLRAEEDPVYFDLHPGQGHTKPEY  
 YYPNFLPSPFSSWDLRDMALLLNAENKTEAVPRVGGLLGKYIDRLIQLEWLQVQVQCEKAKGGKARPP  
 APGTSGALKSPGRSKLIASALSKPLPHQEGASKSPSRKKAFFHHEEIHPSHYAFETSPRPIDVLGGTRFC  
 SQRQTLEMRTTEKKKSSKSTKLQRWDLSGSGSSKSVETSGHIRVPKQAQAVILDSADSKASKTQAHAPH  
 RKKGKAESCGHATVSSEKLLKTNQVQNTYKLLK

TRTRPLE – GFP Tag – V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_022106

**ORF Size:** 1149 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\\_022106.3](#)

**RefSeq Size:** 5053 bp

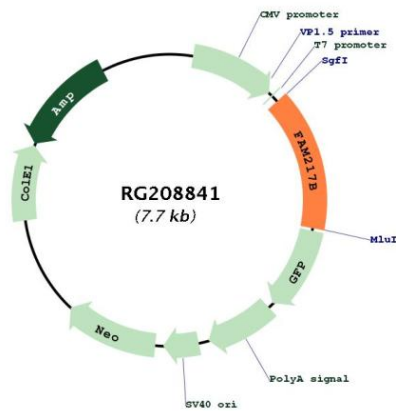
**RefSeq ORF:** 1152 bp

**Locus ID:** 63939

**UniProt ID:** [Q9NTX9](#)

**Cytogenetics:** 20q13.33

**Product images:**



Circular map for RG208841