

## Product datasheet for **RC208841**

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

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** FAM217B (NM\_022106) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** FAM217B  
**Synonyms:** C20orf177; dj551D2.5  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC208841 representing NM\_022106  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAATGCTGGCCATCTTGAATAAAGTGCAACATTCAAAGAATTCCTCAGGAAAAAGGCAGAGTAAAT  
 CCCAAGTACCCACGCTTCTTCCAGCCGAGAAGCAGCCTCACAGCTGTCACCCAGCCTACTGAAGAAA  
 ACTTAAAGAAAGCATTTCGCCGAAGCAAGACGCAAAAGGAATCCACTCGGTTCCAGGTGTCAGGGGGCC  
 TCAGGGAATAAACTGTTTCTTGATTTTCAGTCAATGAAAATTATTAAGAGAATGCTGATGAGGACAGTG  
 CAAGTGATCTCTGATTCGAAAGAATCCCATTCTCCTTCTCCCTCACACCTCCAGATCTCAATCT  
 TCGAGCTGAAGAAATGATCCAGTTACTTTGATCTTCACCCTGGTCAGGGCCATACAAAACCTGAATAC  
 TATTATCCTAATTTCTTCCATCCCCTTCAGCTCCTGGGACCTACGAGATATGGCCCTGCTTCTGAACG  
 CAGAGAACAAAACGGAAGCCGTGCCCGAGTGGGAGGACTTCTTGGGAAGTATATCGATAGACTTATTCA  
 GCTTGAGTGGCTGCAAGTCCAGACTGTACAGTGTAAAAAGCAAAGGGGGCAAAGCAAGGCCCCCACT  
 GCCCTGGGACCTCAGGGGCACTGAAAAGCCCTGGGAGAAGTAAGCTAATTGCTAGTGCTGTCCAAGC  
 CACTACCTCACCAGGAAGGGCTTCAAAGTCAGGCCCTCCCGAAAGAAAGCTTTTACCATGAAGAAAT  
 CCACCCATCACATTATGCATTTGAGACTTCCCCTAGACCCATTGATGTGCTTGGTGGTACCAGGTTTTGT  
 TCTCAGAGGCAAACCTTGAAATGAGGACAGAAGAAAAGAAAAGAAATCAAGTAAGAGTACGAAGCTGC  
 AGCGTGGGATCTGTCCGCAGTGAAGCAGCTCTAAGGTGAAAACCGGTCACATTCGAGTTCCCAA  
 ACAGGCAGCTGTGATTCTGGACTCAGCAGATTCTGTAAGGCCTCAAAAACAAGCACATGCACATCCT  
 AGGAAAAAGGAAAGGCAGAGAGCTGTGGTCATGCCACTGTATCGAGTGAGAAAAAACTGAAAACAAACG  
 GAGTAAAGCAAAACACATATAAACTAAAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC208841 representing NM\_022106  
Red=Cloning site Green=Tags(s)

MNAGPSWNKVQHSKNSSGKRQSKSQVPHASSQPRSSLTAVTQPTEEKLKESISPEARRKRNPLGSRQGA  
 SGNKFLDFQSMKIIKENADESASDLSDSERIPPPSPLTPDLNLRAEEDPVYFDLHPGQGHTKPEY  
 YYPNFLPSPFSSWDLRDMALLLNAENKTEAVPRVGGLLGKYIDRLIQLEWLQVQVQCEKAKGGKARPPT  
 APGTSGALKSPGRSKLIASALSKPLPHQEGASKSGPSRKKAFHHEEIHPSHYAFETSPRPIDVLGGTRFC  
 SQRQTLEMRTTEKKKKSSKSTKLQRWDLSGSGSSSKVETSGHIRVPKQAAVILDSADSKASKTQAHAPH  
 RKKGKAESCGHATVSSEKLLKTNGVKQNTYKLLK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**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

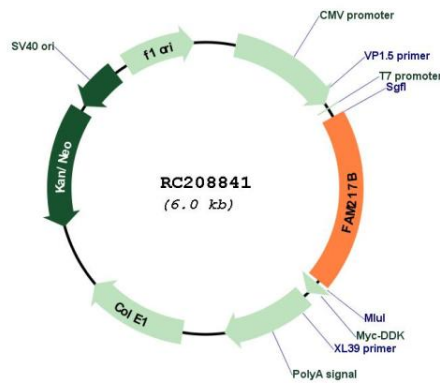
**Locus ID:** 63939

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

**Cytogenetics:** 20q13.33

**MW:** 42.1 kDa

**Product images:**



Circular map for RC208841