

## Product datasheet for **RC238906**

### **FAM222B (NM\_001288635) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	FAM222B (NM_001288635) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FAM222B
Synonyms:	C17orf63
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC238906 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCTAGCCTGTCTACCAGGGCCAGGTGACCTGTCTTTTCAGCTTCTTTCTCACACGCAGATGAACACTG  
 GACTTCAGAAATGGGACACTACACAGAAAATGAGAACTGCTCACTATCCTACCCAGCCGAATTGGATGC  
 GTATGCTAAGAAGGTCGCAAACAACCCACTGACTATAAAAATCTTCCCAACAGTGTGAAGTTCCCAG  
 CGGAAACACGTTCTGTCGTAAGTGTGAACGGCCTCGACACATCAGCCAGCGCTACAGCCCCTACCCGACAC  
 AGGCTGCCACCAAGGCAGGCCTGCTTGCCATTGTCAAAGTGCCAGCCAAAAGCATACTCAAGGACTTTGA  
 CGGCACCCGAGCCGGTGTCTCCTGAGGCCATCATGAACCCCCAGTGGCACCCTATGCTACTGTGGCA  
 CCCAGCACTTTAGCCACCCAGGCCAGGCTCTGGCCCGCCAGCAGGCCCTGCAGCATGCACAGACCC  
 TGGCCCATGCCCTCCCCAGACGCTGCAGCACCCCTCAGGGTATCCCGCCACCCAGGCACGTCCCACCC  
 TCAGAGCCTCCAGCAGCCTCAGGCCTGGGCCACCCCTCAGCCATGGCCCAAACCCAGGGCTTGGTCCAC  
 CCTCAGGCCCTGGCTCACCAGGGTCTCCAGCACCCCAATCCCTTGTGCATGGAGGCCGGAAGATGC  
 CAGACTCAGATGCCCCCGAATGTGACCGTGTCTACCTCAACTATCCCCCTTCAATGGCGGCCACTCT  
 GCAGCACAGCCAGCCTCCGGACCTGAGTAGCATCGTGACCCAGATCAACCAGTTTTGCCAGACGAGGGCA  
 GGCATCAGCACTACCTCAGTGTGTGAGGGCCAGATCGCCAACCCAGCCCCATTAGTCGCAGTCTGCTCA  
 TCAATGCAAGCACCCGGGTGTGACCCACAGCGTCCCCACACCAATGCCTTCATGTGTGGTCAATCCCAT  
 GGAGCACACCCACGCGGCCACCGCCGCTTGCCTGCTGCAGGTCTGTCAACCTGCCACAGGCATCTCT  
 CGCGTCCCCTGGCTACCCTAGCGACCTCAAGCCAGTCACTGGAACCAGCACCAGTGGCCACCTAC  
 AGCAGATGTGCAGCGAGGCTAGTGGGACGCCACCCCTGGCCTGACAGGCAAGCATGCGCGAGGACGCGA  
 GTTGGCAGGGCCTGGCTTGTGGGCAAGGCCCTGCCTACCCGACGAACTCTGCCTGGCGCAGTCCCTTC  
 CATCTGAAGCCACCCCTGGAAGCCGACCCCATCCCCACCAGTCAACGCATGGCAGCCCCATTGGCCT  
 ACCCCAATGGTCACTACTTCCAACCCCTGTGGAACAACATTCTGCCCACTCCCAATAGCGACAGCTCGGG  
 GTCTCAGGACCTTGCATGCCGTTCCACGGTGGGACGCCACAGGTGCACCCCTCGACTGTGCGGCAGCT  
 CCCGGGGCCCACTACCGAGCAGGACCGGGGGCGGTCCAGTGGCAAGCCAGAACAGCTTGATGCAAAACAG  
 TGGATTACCTAAGTGGGATTTCCAACAGGCCTGCTCCGAGAACAGAGCCTGGCCATGCTGAGCAAGGC  
 CCACCGAGCCCTGGCAACCGAGCCCCGATCCCACAGAGAGTCAAGTCTTCATATTACGACCCAGGG  
 TATAGA

**ACGCGT**ACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC238906 protein sequence  
 Red=Cloning site Green=Tags(s)

MLACLPGPGDL SFQLLSHTQMNTGLQKWDTTQKMRTAHYPTPAELDAYAKKVANNPLTIKIFPNSVKVPQ  
 RKHVRRTVNLDTSAQRYSPYPTQAATKAGLLAIVKVPKAKSILKDFDGTARLLPEAIMNPPVAPYATVA  
 PSTLAHPQAQALARQALQHAQTLAHAPPQTLQHPQGIPPPQALSHPQSLQQPQGLGHPQPMATQGLVH  
 PQALAHQGLQHPHNPLLHGGRKMPDSDAPPNVTVSTSTIPLSMAATLQHSQPPDLSSIVHQINQFCQTRA  
 GISTTSVCEGQIANPSPISRLLINASTRVSTHSVPTPMPSCVVNPMETHAATAALPAAGPVNLPGIS  
 RVPTGYPSDLKPVTWNQHLAHLQMCSEASGTPAPGLTGKHAAGRELAGPGFVGKAPAYPQELCLAQSF  
 HLKPPLEKPTSPPPVNGMAAPLAYPNGHYFQPLWNNILPTPNSDSSGSQDLAMPFHGGQPTGAPLDCAAA  
 PGAHYRAGTGGGPVASQNSLMQTVDYLSGDFQQACFREQLAMLKAHRAPGNRAPDPTESRSLHIQHPG  
 YR

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk6434\\_f04.zip](https://cdn.origene.com/chromatograms/mk6434_f04.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_001288635

**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\\_001288635.2](#)

**RefSeq Size:** 4227 bp

**RefSeq ORF:** 1689 bp

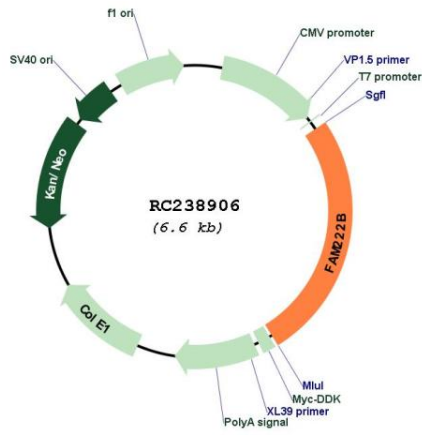
**Locus ID:** 55731

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

**Cytogenetics:** 17q11.2

MW: 59.7 kDa

Product images:



Circular map for RC238906