

## Product datasheet for **RC238912**

### **FAM222B (NM\_001288631) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	FAM222B (NM_001288631) 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:**

>RC238912 representing NM\_001288631  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGGTCAAGCTTCCCCCTTGCCTCTGCTAAAAAAACCTCAGAGTTGGTACTAACTTGAACAAAGGG  
 ACTCTTCTACTCATCAAGGGGACTACACAGAAAATGAGAACTGCTCACTATCCTACCCAGCCGAATT  
 GGATGCGTATGCTAAGAAGGTCGCAAAACACCCACTGACTATAAAAAATCTTCCCCAACAGTGTGAAGTT  
 CCCCAGCGGAAACACGTTTCGTCGTAAGTGTGAACGGCCTCGACACATCAGCCCAGCGCTACAGCCCTACC  
 CGACACAGGCTGCCACCAAGGCAGGCTGCTTGCATTGTCAAAGTGCCAGCCAAAAGCATACTCAAGGA  
 CTTTGACGGCACCCGAGCCCGTTGCTCCCTGAGGCCATCATGAACCCCCAGTGGCACCCTATGCTACT  
 GTGGCACCCAGCACTTTCAGCCACCCAGGCCAGGCTCTGGCCCGCCAGCAGGCCCTGCAGCATGCAC  
 AGACCTGGCCCATGCCCTCCAGACGCTGCAGCACCTCAGGGTATCCCGCCACCCAGGCACTGTC  
 CCACCCTCAGAGCTCCAGCAGCTCAGGGCCTGGGCCACCTCAGCCCATGGCCAAAACCCAGGGCTTG  
 GTCACCCCTCAGGCCCTGGCTCACCAGGGTCTCCAGCACCCCAATCCCTTGCTGCATGGAGGCCGGA  
 AGATGCCAGACTCAGATGCCCCCCGAATGTGACCGTGTCTACCTCAACTATCCCCCTTCAATGGCGGC  
 CACTCTGCAGCACAGCCAGCCTCCGGACCTGAGTAGCATCGTGCACCAGATCAACCAGTTTTGCCAGACG  
 AGGGCAGGCATCAGCACTACCTCAGTGTGTGAGGGCCAGATCGCCAACCCAGCCCATAGTCGCAGTC  
 TGCTCATCAATGCAAGCACCCGGGTGTCGACCCACAGCGTCCCCACACCAATGCCTTCATGTGTGGTCAA  
 TCCCATGGAGCACACCCACGGGCCACCCGCGGTTGCTGCTGCAGGTCCTGTCAACCTGCCACAGGC  
 ATCTCTCGCGTCCCCTAGGCTACCTAGCGACCTCAAGCCAGTCACTGGAACCCAGCAGGCTGGCC  
 ACCTACAGCAGATGTGCAGCGAGGCTAGTGGGACGCCAGCCCTGGCCGTGACAGGCAAGCATGGCGCAGG  
 ACGCGAGTTGGCAGGGCCTGGCTTTGTGGCAAGGCCCTGCCTACCCGAGGAACCTCTGCCTGGCGCAG  
 TCCTTCCATCTGAAGCCACCCCTGGAAAAGCCGCCCATCCCCACAGTCAACGGCATGGCAGCCCAT  
 TGGCCTACCCCAATGGTCACTACTTCCAACCCCTGTGGAACAACATTCTGCCCACTCCCAATAGCGACAG  
 CTCGGGTCTCAGGACCTTGCCATGCCGTTCCACGGTGGGCGAGCCACAGGTGCACCCCTCGACTGTGCG  
 GCAGCTCCCGGGGCCACTACCGAGCAGGGACCGGGGCGGTCCAGTGGCAAGCCAGAACAGCTTGATGC  
 AAACAGTGGATTACCTAAGTGGGATTTCCAACAGGCTGCTCCGAGAACAGAGCTGGCCATGCTGAG  
 CAAGGCCACCGAGCCCTGGCAACCGAGCCCGGATCCCACAGAGAGTGAAGTCTTCATATTCAGCAC  
 CCAGGGTATAGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC238912 representing NM\_001288631  
 Red=Cloning site Green=Tags(s)

MRSSFPLASAKKLNLRVGTNLEQRDSSTHQDQTKMRTAHYPTPAELDAYAKKVANNPLTIKIFPNSVKV  
 PQRKHVRRTVNGLDTSARQYSPYPTQAATKAGLLAIVKVPKSIKDFDGTTRARLLPEAIMNPPVAPYAT  
 VAPSTLAHPQAQALARQQALQHAQTLAHAPPQTLQHPQGIPPPQALSHPQSLQQPQGLGHPQPMATQGL  
 VHPQALAHQGLQHPHNPLLHGGRKMPDSDAPPNVTSTSTIPLSMAATLQHSQPPDLSSIVHQINQFCQT  
 RAGISTTSVCEGQIANPSPISRLLINASTRVSTHSVPTPMPSCVVPMEHTHAATAALPAAGPVNLTG  
 ISRVPTGYPSDLKPVTWNQHLAHLQQMCSEASGTPAPGLTGKHAAGRELAGPGFVGKAPAYPQELCLAQ  
 SFHLKPPLEKPTSPVNGMAAPLAYPNGHYFQPLWNNILPTPNSDSSGSQDLAMPFHGGQPTGAPLDCA  
 AAPGAHYRAGTGGGPVAVSNLMTVDYLSGDFQQACFREQLAMLKAHRAPGNRAPDPTESRSLHIQH  
 PGYR

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_001288631

**ORF Size:** 1692 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\\_001288631.2](#)

**RefSeq Size:** 4350 bp

**RefSeq ORF:** 1695 bp

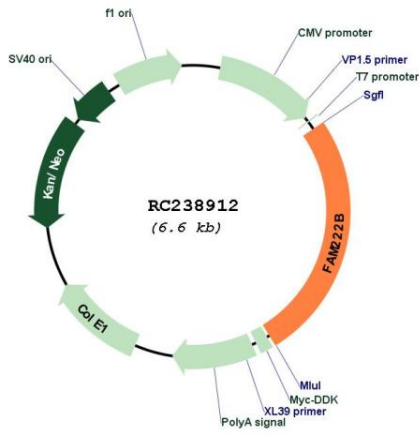
**Locus ID:** 55731

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

**Cytogenetics:** 17q11.2

MW: 60.3 kDa

Product images:



Circular map for RC238912