

## Product datasheet for **RC239789**

### **FAM120B (NM\_001286379) Human Tagged ORF Clone**

#### **Product data:**

|                           |                                               |
|---------------------------|-----------------------------------------------|
| Product Type:             | Expression Plasmids                           |
| Product Name:             | FAM120B (NM_001286379) Human Tagged ORF Clone |
| Tag:                      | Myc-DDK                                       |
| Symbol:                   | FAM120B                                       |
| Synonyms:                 | CCPG; dJ894D12.1; KIAA1838; PGCC1; SAN1       |
| Mammalian Cell Selection: | Neomycin                                      |
| Vector:                   | pCMV6-Entry (PS100001)                        |
| E. coli Selection:        | Kanamycin (25 ug/mL)                          |



[View online »](#)

**ORF Nucleotide  
Sequence:**

>RC239789 representing NM\_001286379  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGATCGCCAAATGATCCTTTCCCGAGTTCACTTATGGGTGTGAGAGGTTTGCAAGGATTTGTGGGAA  
 GTACCTGCCACATATATGTACAGTAGTAAATTTCAAAGAACTGGCAGAGCACCACCGAAGCAAGTATCC  
 TGGATGTACCCCTACCATTGTGGTTGATGCCATGTGTTGTCTCAGATATTGGTATACTCCAGAATCTTGG  
 ATCTGCGGTGGCCAGTGGCGAGAATACTTTCTGCTTTGCGAGATTTGTAAAACCTTTACGGCAGCTG  
 GGATCAAGTTGATATTCTTTGATGGCATGGTGGAGCAGGATAAGAGAGATGAATGGGTGAAACGAAG  
 GCTCAAGAACAACAGGGAGATATCCAGGATTTTTCATTACATCAAGTCACACAAGGAGCAGCCAGGCAGA  
 AATATGTTCTTCCCTCAGGCTAGCTGTGTTACACGATTTGCTCTAAAGACACTGGGCCAGGAAA  
 CTTTGTGTTCTTTCAGGAAGCAGATTATGAGGTAGCTTCCTATGGCCTCCAGCATAACTGTCTTGGGAT  
 TCTGGGGAAGACACTGATTACCTAATCTATGACACTTGTCCCTACTTTTCAATTAGCGAGCTCTGCCTA  
 GAGAGCCTGGACACCGTCATGCTCTGCAGAGAGAAGCTCTGTGAGAGTCTGGGCCTCTGTGTGGCCGACC  
 TTCTCTTCTGGCCTGCCTCCTTGGCAACGACATAATCCAGAGGGCATGTTTGAAGCTTTAGGTACAA  
 ATGCTTATCGTCTACACCTCTGTAAAAGAGAAGTTTGACAAAAAGGTAACATCATATTAGCTGTGTCA  
 GACCATATATCGAAAGTTCTTTACTTGTATCAAGGTGAGAAAAAATTAGAAGAGATATTACCTCTGGGAC  
 CAAACAAAGCTCTTTTTATAAAGGAATGGCATCATATCTTTACCAGGACAAAAATCTCCATGGTTTTT  
 CCAAAAACCAAGGTGTAATACTTTGGACAAACAAGTAATATCCACGAGTTCAGACGCCGAATCCAGG  
 GAAGAAGTCCCATGTGTTGATGCTGAATCCAGGCAAGAAGTCCCATGTGTACAGGCCCTGAATCCA  
 GGCGAGAAGTCCCGTGTATACAGATTGAACCCAGGCAAGAAGTCCCATGTGTACAGGCCCTGAATCCA  
 CAGGCAAGAAGTCCACAGTGTACAGGCCCTGAATCCAGGCGAGAAGTCCCATGTGTTCAGACCCCTGAA  
 CCCAGGCAAGAAGTCCCATGTGTACAGGCCCTGAAGCCAGGCAAGAAGTCCCATGTATACAGACTCTG  
 AACCCAGGCAAGAAGTCCCATGTATACAGACTCTGAACCCAGGCAAGAAGTCCCATGTATACAGGCTC  
 TGAACCCAGGCAAGAAGTCCCATGTATACAGGCCCTGAATCCAGGCAAGAAGTCCCATGTATACAGGC  
 CCTGAATCCAGGCAAGAAGTTTTAATACGGACAGACCTGAATCTAGGCAAGAAATTATGTGTACAGGCC  
 ATGAATCCAAACAGGAAGTCCCATATGTACAGATCCTATATCCAAGCAAGAAGACTCCATGTGTACACA  
 CGTGAAATCAATCAAAAATTACCTGTAGCAACAGATTTTGAATTTAAGCTAGAAGCTCTCATGTGTACA  
 AACCTGAAATTAACAAGAAGACCCCAAAATGTGGGCCTGAAGTAAAGCAACAAGTAACCATGGTTT  
 CAGACACTGAAATCTTAAAGTTGCTAGAACACATCACGTCCAAGCAGAAAGCTACCTGGTGTACAACAT  
 CATGAGCAGTGGAGAGATTGAATGCAGCAACACCTAGAAGATGAGCTTGACCAGGCCTTACCCAGCCAG  
 GCCTTCATTTACCGTCCCATTCGACAGCGGGTCTACTCACTCTTACTGGAGGACTGTCAAGATGTACCA  
 GCACCTGCCTAGCTGTCAAGGAGTGGTTTGTGTATCCTGGGAACCCACTGAGGCACCCGGACCTCGTCAG  
 GCCGCTGCAGATGACCATTCCAGGGGGAACGCCTAGTTTGAAATATTATGGCTGAACCAAGAGCCAGAA  
 ATACAGGTTCCGCGCTTGGACACACTCTAGCCTGTTTCAATCTTCTCCTCAAGAGAAGAGCTGCAGG  
 CTGTCGAAAGCCCATTTCAAGCTTTGTGCTGCCTCTTGATCTACCTCTTTGTCCAGGTGGACACGCTTTG  
 CCTGGAGGATTTGCATGCGTTTATTGCGCAGGCCTTGTGCCTCCAAGGAAAAATCCACCTCGCAGCTTGT  
 AATCTACAGCCTGATTACATCAACCCAGAGCCGTGCAGCTGGGCTCCCTTCTCGTCCGCGCCTCACCA  
 CTCTGTTTTAGTCAACAGCGCATGTGGCTTCCCTGGAAGACGAGTGATTTATGCCCTGGAATGTATT  
 TGACGGGAAGCTTTTTATCAGAACTACTGCAATCTGAAAAGGGTTATGCTGTGGAGGTTCTTTTAGAA  
 CAAAATAGATCTCGGCTACCAAATCCACAACCTGAAGGCAGTCGTCTGCAAGGCCTGCATGAAGGAGA  
 ACAGACGCATCACTGGCCGAGCCCACTGGGCTCACACCACGAGGAGGTGGGAAGACAGGGCTCCAG  
 CTACCACAGGACGGCTCTGGGTATAGCCGTTCCAGTCAGGGACAGCCGTGGAGAGACCAGGGACCAGGA  
 AGCAGACAGTATGAGCATGACCACTGGAGAAGGTAC

**ACGCGT**ACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC239789 representing NM\_001286379  
 Red=Cloning site Green=Tags(s)

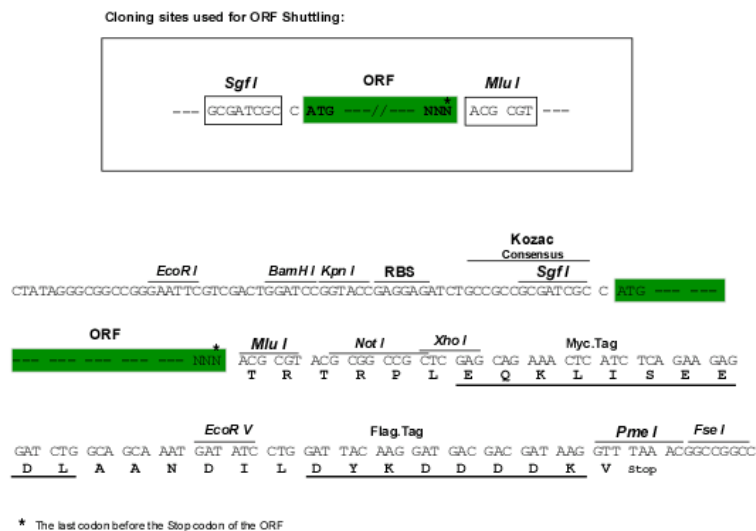
MDRQMILSRSSVMGVRGLQGFVGSTCPHICTVNFKELAEHHRSKYPGCTPTIVVDAMCCLRYWYTPESW  
 ICGGQWREYFSALRDFVKTFTAAGIKLIFFDGMVEQDKRDEWVKRRLKNNREISRIFHYIKSHKEQPGR  
 NMFFIPSGLAVFTRFALKTLGQETLCSLQEADYEASVYGLQHNCLGILGEDTDYLIYDTCYPYFSISELCL  
 ESLDTVMLCREKLCESLGLCVADLPLLACLLGNDIIPGFMFESFRYKCLSSYTSVKENFDKKGNIILAVS  
 DHISKVLYLYQGEKKLEEILPLGPNKALFYKGMASYLLPGQKSPWFFQKPKGVITLDKQVISTSSDAESR  
 EEVPMCSDAESRQEVPMCTGPESRREVPVYTDSEPRQEVPMCSDEPRQEVPTCTGPESRREVPMCSDE  
 PRQEVPMCTGPPEARQEVPMYTDSEPRQEVPMYTDSEPRQEVPMYTGSEPRQEVPMYTGSEPRQEVPMYTG  
 PESRQEVLRITDPESRQEVIMCTGHESKQEVPICTDPIISKQEDSMCTHAEINQKLPVATDFEFKLEALMCT  
 NPEIKQEDPTNVGPEVKQVMTMVSDEILKVARTHHVQAESYL VYNIMSSGEIECSNTLEDELQALPSQ  
 AFIYRPIRQVYSLLEDQCDVTSTCLAVKEWFVYPGNPLRHPDLVRPLQMTIPGGTPSLKILWLNQEPE  
 IQVRRDLTLACFNLSSSREELQAVESPFQALCCLLIYLFVQVDTLCLEDLHAFIAQALCLQGKSTSQLV  
 NLQPDYINPRAVQLGSLLVRLTTLVLVNSACGFPWKTSDFMPWNVFDGKLFHQKYLQSEKGYAVEVLLLE  
 QNRSRLTKFHNLKAVVCKACMKENRRITGRAHWGSHHAGRWGRQGSYHRTGSGYSRSSQGQPWDQGP  
 SRQYEHQWRRY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

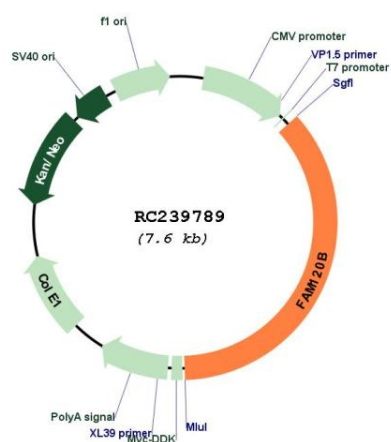


**ACCN:** NM\_001286379

**ORF Size:** 2766 bp

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>OTI Disclaimer:</b>        | 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. <a href="#">More info</a>                                                                      |
| <b>OTI Annotation:</b>        | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Components:</b>            | 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).                                                                                                                                                                                                                                                                                                                                    |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol> |
| <b>Note:</b>                  | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>RefSeq:</b>                | <a href="#">NM_001286379.1</a> , <a href="#">NP_001273308.1</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>RefSeq Size:</b>           | 5460 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>            | 2769 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Locus ID:</b>              | 84498                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Cytogenetics:</b>          | 6q27                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>MW:</b>                    | 105.6 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Gene Summary:</b>          | Functions as a transactivator of PPARG and ESR1. Functions in adipogenesis through PPARG activation (By similarity).[UniProtKB/Swiss-Prot Function]                                                                                                                                                                                                                                                                                                                                                                     |

## Product images:



Circular map for RC239789