

Product datasheet for **RC239797**

FAM120B (NM_001286380) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM120B (NM_001286380) 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:**

>RC239797 representing NM_001286380
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTTGGACCTCGAGGCTCCACCAGCGCTGGCGCAGGCAGGAAGGAGATCCTTTCCCGAGTTCAAGTTA
 TGGGTGTGAGAGGTTTGAAGGATTTGTGGGAAGTACCTGCCACATATATGTACAGTAGTAAATTTCAA
 AGAACTGGCAGAGCACCACCAAGCAAGTATCCTGGATGTACCCCTACCATTGTGGTTGATGCCATGTGT
 TGTCTCAGATATTGGTATACTCCAGAATCTTGGATCTGCGGTGGCCAGTGGCGAGAATACTTTTCTGCTT
 TGCGAGATTTTGTAAACTTTTACGGCAGCTGGGATCAAGTTGATATTCTTCTTTGATGGCATGGTGA
 GCAGGATAAGAGAGATGAATGGGTGAAACGAAGGCTCAAGAACAACAGGGAGATATCCAGGATTTTTCAT
 TACATCAAGTCACACAAGGAGCAGCCAGGCAGAAATATGTTCTTCATCCCCTCAGGGCTAGCTGTGTTTA
 CACGATTTGCTCTAAAGACACTGGGCCAGGAACTTTGTGTTCTTGCAGGAAGCAGATTATGAGGTAGC
 TTCCTATGGCCTCCAGCATAACTGTCTTGGGATTCTGGGGAAGACACTGATTACCTAATCTATGACACT
 TGTCCCTACTTTTCAATTAGCGAGCTCTGCCTAGAGAGCCTGGACACCGTCATGCCTGTCAGAGAGAAGC
 TCTGTGAGAGTCTGGGCCTCTGTGTGGCCGACCTTCTCTTCTGCGCTGCCTCCTTGGAACGACATAAT
 CCCAGAGGGCATGTTTGAAGCTTTAGGTACAAATGCTTATCGTCCTACACCTCTGTAAAAGAGAAGTTT
 GACAAAAAAGGTAACATCATATTAGCTGTGTGACAGCATATATCGAAAGTTCTTTACTTGTATCAAGGTG
 AGAAAAAATTAGAAGAGATATTACCTCTGGGACCAACAAAGCTCTTTTTATAAAGGAATGGCATCATA
 TCTTTTACCAGGACAAAAATCTCCATGGTTTTTCCAAAAACCAAGGTGAATAACTTTGGACAAACAA
 GTAATATCCACGAGTTCAGACGCCGAATCCAGGGAAGAAGTCCCATGTGTTGATGCTGAATCCAGGC
 AAGAAGTTCCCATGTGTACAGGCCCTGAATCCAGGCGAGAAGTCCCGTGTATACAGATTCTGAACCCAG
 GCAAGAAGTTCCCATGTGTTGACAGCCCTGAACCCAGGCAAGAAGTCCACGTGTACAGGCCCTGAATCC
 AGGCGAGAAGTCCCATGTGTTGACAGCCCTGAACCCAGGCAAGAAGTCCCATGTGTACAGGCCCTGAAG
 CCAGGCAAGAAGTCCCATGTATACAGACTCTGAACCCAGGCAAGAAGTCCCATGTATACAGACTCTGA
 ACCCAGGCAAGAAGTCCCATGTATACAGGCTCTGAACCCAGGCAAGAAGTCCCATGTATACAGGCCCT
 GAATCCAGGCAAGAAGTCCCATGTATACAGGCCCTGAATCCAGGCAAGAAGTTTTAATACGGACAGACC
 CTGAATCTAGGCAAGAAATTATGTGTACAGGCCATGAATCCAAACAGGAAGTCCCATATGTACAGATCC
 TATATCCAAGCAAGAAGACTCCATGTGTACACAGCTGAAATCAATCAAAAATTACCTGTAGCAACAGAT
 TTTGAATTTAAGCTAGAAGCTCTCATGTGTACAAACCCTGAAATTAACAAGAAGACCCCAAAATGTGG
 GGCTGAAGTAAAGCAACAAGTAACCATGGTTTCAGACACTGAAATCTTAAAGGTTGCTAGAACACATCA
 CGTCCAAGCAGAAAGCTACCTGGTGTACAACATCATGAGCAGTGGAGAGATTGAATGCAGCAACACCTTA
 GAAGATGAGCTTGACAGGCCTTACCCAGCCAGGCCTTATTTACCGTCCCATTGACAGCGGGTCTACT
 CACTCTTACTGGAGGACTGTCAAGATGTACCAGCACCTGCCTAGCTGTCAAGGAGTGGTTTGTGTATCC
 TGGGAACCCACTGAGGCACCCGGACCTCGTCAGGCCGCTGCAGATGACCATTCCAGGGGGAACGCCTAGT
 TTGAAATATTATGGCTGAACCAAGAGCCAGAAATACAGGTTTCGGCGCTTGGACACACTCCTAGCCTGTT
 TCAATCTTCTCCTCAAGAGAAGAGCTGCAGGCTGTGAAAGCCCATTTCAAGCTTTGTGCTGCCTCTT
 GATCTACCTCTTTGTCCAGGTGGACACGCTTTGCCTGGAGATTGTCATGCGTTTATTGCGCAGGCCTTG
 TGCCTCCAAGGAAAAATCCACCTCGAGCTTGTAATCTACAGCCTGATTACATCAACCCAGAGCCGTGC
 AGCTGGGCTCCCTTCTCGTCCGCGGCCTCACCCTCTGGTTTTAGTCAACAGCGCATGTGGCTTCCCTG
 GAAGACGAGTGATTTATGCCCTGGAATGTATTTGACGGGAAGCTTTTTATCAGAACTACTTGCAATCT
 GAAAAGGGTTATGCTGTGGAGGTTCTTTTGAACAAAATAGATCTCGGCTCACCAATTCACAACTGA
 AGGCAGTCGTCTGCAAGGCCTGCATGAAGGAGAACAGACGCATCACTGGCCGAGCCCACTGGGGCTCACA
 CCACGCAGGGAGGTGGGAAGACAGGGCTCCAGCTACCACAGGACGGGCTCTGGGTATAGCCGTTCCAGT
 CAGGGACAGCCGTGGAGAGACCAGGACCAGGAAGCAGACAGTATGAGCATGACCAGTGGAGAAGGTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC239797 representing NM_001286380
 Red=Cloning site Green=Tags(s)

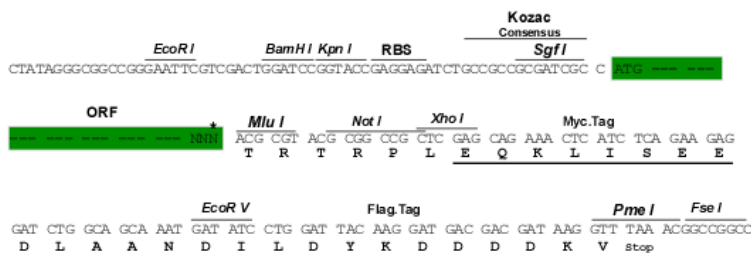
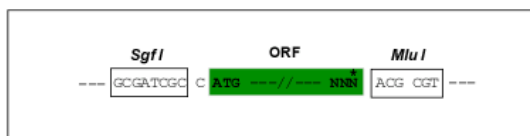
MFGPRGSTSAGAGRKEILSRSSVMGVRGLQGFGVSTCPHICTVNVFKELAEHRSKYPGCTPTIVVDAMC
 CLRYWYTPESWICGGQWREYFSALRDFVKTFSTAAGIKLFFFDGMVEQDKRDEWVKRRLKNNREISRIFH
 YIKSHKEQPGRNMMFFIPSLAVFTRFALKTLGQETLCSLQEADEYVASYGLQHNCILGILGEDTDYLIYD
 CPYFSISELCLESLDTVMLCREKLCESLGLCVADLPLLACLLGNDIIEGFMFESFRYKCLSSYTSVKENF
 DKKGNIILAVSDHISKVLYLYQGEEKLEEILPLGPNKALFYKGMA SYLLPGQKSPWFFQKPKGVITLDKQ
 VISTSSDAESREEVPMCSDAESRQEVPMCTGPESRREVVPYTTDSEPRQEVPMCSDEPEPRQEVPTCTGPES
 RREVPMCSDEPEPRQEVPMCTGPEARQEVPMYTTDSEPRQEVPMYTTDSEPRQEVPMYTGSEPRQEVPMYTG
 ESRQEVPMYTGPESRQEVLRITDPESRQEI MCTGHESKQEVPICTDPI SKQEDSMCTHAEINQKLPVATD
 FEFKLEALMCTNPEIKQEDPTNVGPEVKQQVTMVSDTEILKVARTHVQAESYL VYNIMSSGEIECSNTL
 EDEL DQALPSQAFIYRPIRQRVYSLLED CQDVTSTCLAVKEWFVYPGNPLRHPDLVRPLQMTIPGGTPS
 LKILWLNQPEIQVRLD LLLACFNLSSSREELQAVESPFQALCCLLIYLFVQVDTLCLEDLHAFIAQAL
 CLQKGKSTQELVNLQPRDYINPRAVLGSLLVRLTTLVLVNSACGFPWKTSDFMPWNVFDGKLFHQKYLQS
 EKGVAEVLLEQNSRLTKFHNLKA VVCKACMKENRRITGRAHWGSHHAGRWGRQGS SYHRTGSGYSRSS
 OGOPWRDOGPGSROYEHDOWRRY

TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



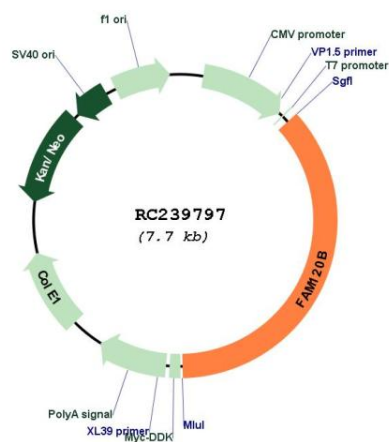
* The last codon before the Stop codon of the ORF

ACCN: NM 001286380

ORF Size: 2799 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001286380.1 , NP_001273309.1
RefSeq Size:	5223 bp
RefSeq ORF:	2802 bp
Locus ID:	84498
Cytogenetics:	6q27
MW:	106.6 kDa
Gene Summary:	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 RC239797