

Product datasheet for **RC215988**

FAM111B (NM_198947) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM111B (NM_198947) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FAM111B
Synonyms:	CANP; POIKTMP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RC215988 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

 TTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGAATCCATGAAGACTGAAGAAAACAAGTCATTTAGCGCTATGGAAGATGACCAGAGGACTAGACCTG
 AAGTTTCAAAGGATACTGTCATGAAGCAGACACATGCTGACACACCTGTTGATCATTGTCTATCTGGCAT
 AAGAAAGTGTAGCAGCACCTTTAAGCTTAAAGTGAAGTCAACAAGCATGAAACAGCCCTTGAAATGCAG
 AATCCAAATTTGAACAATAAAGAATGTTGTTTACCTTTACGTTGAATGGAACTCCAGAAAATTAGACC
 GTAGTGTGTTTACAGCATATGGTAAACCCAGCGAGAGTATCTACTCAGCCCTGAGTGCTAATGACTATTT
 CAGTGAAGGATAAAGAATCAGTTTAATAAGAACATTATTGTTTATGAAGAAAAGACAATAGATGGACAT
 ATAAATTTAGGAATGCCTCTCAAGTGCCTGCTAGTGATTCTCATTTTAAATTTACATTTGGTCAAAGAA
 AGAGTAGCAAAGAAGATGGACACATATTACGCCAATGTGAAAATCCAAACATGGAATGCATTCTTTTCA
 TGTTGTTGCTATAGGAAGGACAAGAAAGAAGATTGTTAAGATCAACGAACCTCATGAAAAAGGAAGTAAA
 CTTTGTATTTATGCCTTGAAAGGGTGAGACTATTGAAGGAGCCTTATGCAAGGATGGCCGTTTTCGGTCTG
 ACATAGGTGAATTTGAATGGAACTAAAGGAAGGTCATAAGAAAAATTTATGGAAAACAGTCCATGGTGGA
 TGAAGTATCTGGAAAAGTCTTAGAAATGGACATTTCAAAAAAAGCATTACAACAGAAAGATATCCAT
 AAAAAATTAACAGAATGAAAGTGCCACTGATGAAATTAATCACCAGAGTCTGATACAGTCTAAGAAAA
 AAGTCCACAAACCAAGAAAGATGGAGAGACCAAGATGTAGAACACAGCAGAGAGCAAATTCCTCCACC
 TCAGGATCTAAGCCATTATTTAAAGATAAACTCGCCAGACAATTCCAGGATTAGAAATTTACTTTT
 TGTAGTTTGCCCCGAAAAATATAGGCAATAAACTCACAGTTAGACGGAGGCCGCATCTGGGTAGGCGGT
 ATGCTATTAATCTGGATGTCCAAAGGAGGCAATTAATCTCTTAAGAATTATCAAACGTGAATGAAGC
 CATAATGCATCAGTATCCGAATTTTAAAGAGGAGGCACAGTGGGTAAAGAAAATATTTTCGGGAAGAACAA
 AAGAGAATGAATCTTTCACCAGCTAAGCAATTCACATATATAAAAGGACTTCGAAAAATGACTGCAA
 ATTCTGTTTCAGTTGCAACCTGCGAACAGCTTACATATTATAGCAAGTCAGTTGGGTTTATGCAATGGGA
 CAATAATGGAAACACAGGTAATGCTACTTGCTTTGTCTTCAATGGTGGTTATATTTTACCTGTCGACAT
 GTTGTACATCTTATGGTGGGTAAAAACACACATCCAAGTTTGTGGCCAGATATAATTAGCAAATGTGCGA
 AGGTAACCTTCACTTATACAGAGTTCTGCCCTACTCCTGACAATTGGTTTTCCATTGAGCCATGGCTTAA
 AGTGTCCAATGAAATCTAGATTATGCCATTTTAAACTAAAAGAAAATGGAATGCGTTTCCTCCAGGA
 CTATGGCGACAGATTTCTCCTCAACCATCTACTGTTTGATTTATTTAATTGGTCATCCTGAAGGCCAGA
 TCAAGAAAATAGATGGTTGTACTGTGATTCTCTAAACGAACGATTGAAAAAATATCCAAACGATTGTCA
 AGATGGGTTGGTAGATCTCTATGATACCACAGTAATGTATACTGTATGTTTACCCAAAGAAGTTTCCTA
 TCAGAGGTTTGGAAACACACACAGCTTAGTTATGATACTTGTTTCTCTGATGGGTCTCAGGCTCCCCAG
 TGTTTAATGCATCTGGCAAAATGGTTGCTTTGCATACCTTTGGGCTTTTTATCAACGAGGATTTAATGT
 GCATGCCCTTATTGAATTTGGTTATTCTATGGATTCTATTCTTTGTGATATTAAGACAAATGAGAGC
 TTGTATAAATCATTAAATGATGAGAACTTGAGACCTACGATGAAGAGAAAGGTAACAAGATCATCAC
 TTCAAGATCATCAGATTGAACCCATGGAATGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC215988 protein sequence
 Red=Cloning site Green=Tags(s)

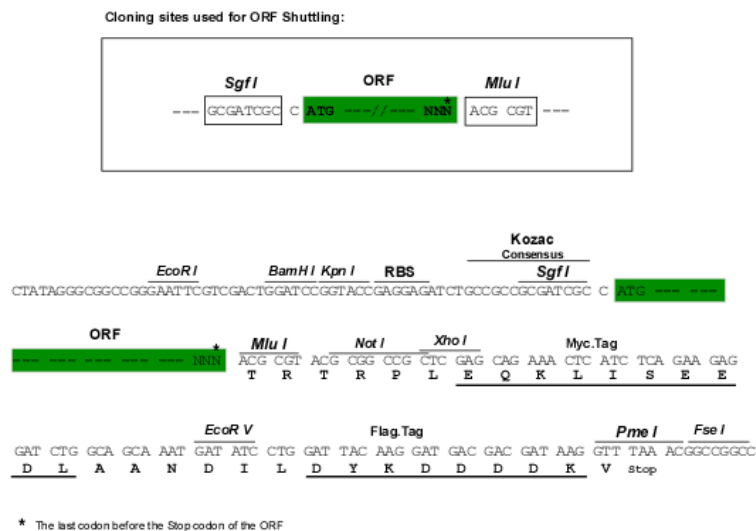
MNSMKTEENKSFSAEEDDQRTREVSVDVTKQTHADTPVDHCLSGIRKCSSTFKLKSEVNHETALEMQ
 NPNNLNKECCFTFTLNGNSRKLDRSVFTAYGKPSESIYSALSANDYFSEIKNQFNKNIIVYEKTIDGH
 INLGMPLKCLPSDSHFKITFGQRKSSKEDGHILRQCENPNMECILFHVVAIGRTRKKIVKINELHEKGSK
 LCIYALKGETIEGALCKDGRFRSDIGFEWKLKEGHHKIYQKSMVDEVSGKVLMDISKKKALQKQDIH
 KKIKQNESATDEINHQSLIQSKKKVHKPKKDGETKDVEHSREQILPPQDLSHYIKDKTRQTIPIRINYF
 CSLPRKYRQINSQVRRRPHLGRRYAINLDVQKEAINLLKNYQTLNEAIMHQYPNFKEEAQVVRKYFREEQ
 KRMNLSPAKQFNIYKDFGKMTANSVSVATCEQLTYYSKSVGFMQWDNNGNTGNATCFVFNNGYIFTCRH
 VVHLMVGKNTHPSLWPDIIISCAKVTFTYTEFCPTDNWFSIEPWLKVSNNENLDYAILKLKENGNAFPFG
 LWRQISQPSTGLIYLIGHPEGQIKKIDGCTVIPLNERLKKYPNDCQDGLVDLYDTTNNVCMFTQRSFL
 SEVWNHTLSYDTCFSDGSSGSPVFNASGKLVALHTFGLFYQGRFNVHALIEFGYSMDSILCDIKKTNES
 LYKSLNDEKLETYDEEKQKQESSLQDHQIEPMEC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6687_d07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_198947

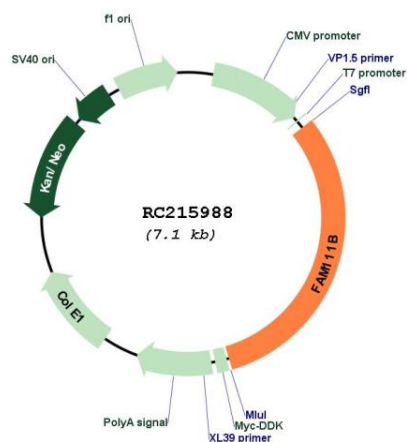
ORF Size: 2202 bp

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](#)

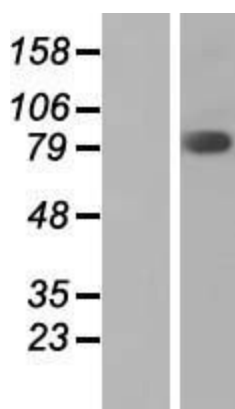
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	<u>NM_198947.4</u>
RefSeq Size:	3574 bp
RefSeq ORF:	2205 bp
Locus ID:	374393
UniProt ID:	<u>Q6SI93</u>
Cytogenetics:	11q12.1
MW:	84.7 kDa
Gene Summary:	This gene encodes a protein with a trypsin-like cysteine/serine peptidase domain in the C-terminus. Mutations in this gene are associated with an autosomal dominant form of hereditary fibrosing poikiloderma (HFP). Affected individuals display mottled pigmentation, telangiectasia, epidermal atrophy, tendon contractures, and progressive pulmonary fibrosis. Alternative splicing results in multiple transcript variants encoding distinct isoforms. A paralog of this gene which also has a trypsin-like peptidase domain, FAM111A, is located only 16 kb from this gene on human chromosome 11q12.1. [provided by RefSeq, Apr 2014]

Product images:



Circular map for RC215988



Western blot validation of overexpression lysate (Cat# [LY404631]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC215988 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).