

Product datasheet for **SC325290**

FAM111B (NM_001142704) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM111B (NM_001142704) Human Untagged Clone
Tag:	Tag Free
Symbol:	FAM111B
Synonyms:	CANP; POIKTMP
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001142704, the custom clone sequence may differ by one or more nucleotides

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ATGAAGCAGACACATGCTGACACACCTGTTGATCATTGTCTATCTGGCATAAGAAAGTGT
AGCAGCACCTTTAAGCTTAAAGTGAAGTCAACAAGCATGAAACAGCCCTTGAAATGCAG
AATCCAAATTTGAACAATAAAGAATGTTGTTTCACCTTTACGTTGAATGGAACTCCAGA
AAATTAGACCGTAGTGTGTTTACAGCATATGGTAAACCCAGCGAGAGTATCTACTCAGCC
CTGAGTGCTAATGACTATTTTCAGTGAAAGGATAAAGAATCAGTTTAATAAGAACATTATT
GTTTATGAAGAAAAGACAATAGATGGACATATAAATTTAGGAATGCCTCTCAAGTGCCTG
CCTAGTGATTCTCATTTTAAATTACATTTGGTCAAAGAAAGAGTAGCAAAGAAGATGGA
CACATATTACGCCAATGTGAAAATCCAAACATGGAATGCATTCTTTTTCATGTTGTTGCT
ATAGGAAGGACAAGAAAGAAGATTGTTAAGATCAACGAACTTCATGAAAAGGAAGTAA
CTTTGTATTTATGCCTTGAAAGGGTGAGACTATTGAAGGAGCCTTATGCAAGGATGGCCGT
TTTCGGTCTGACATAGGTGAATTTGAATGGAACTAAAGGAAGGTCATAAGAAAATTTAT
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AAAAAAGCATTACAACAGAAAGATATCCATAAAAAATTAACAGAAATGAAAGTGCCACT
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GATGGAGAGACCAAAGATGTAGAACACAGCAGAGAGCAAATTCCTCCACCTCAGGATCTA
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TATCAACGTTGAATGAAGCCATAATGCATCAGTATCCGAATTTTAAAGAGGAGGCACAG
TGGGTAAGAAAAATTTTTCGGGAAGAACAAAAGAGAATGAATCTTTCACCAGCTAAGCAA
TTCAACATATATAAAAGGACTTCGGAATAATGACTGCAATTCGTTTCAGTTGCAACC
TGCGAACAGCTTACATATTATAGCAAGTCAGTTGGGTTTCATGCAATGGGACAATAATGGA
AACACAGGTAATGCTACTTGCTTTGCTTCAATGGTGGTTATATTTTACCTGTGACAT
GTTGTACATCTTATGGTGGGTAAAAACACACATCCAAGTTTGTGGCCAGATATAATTAGC
AAATGTGCGAAGGTAACCTTCATTATACAGAGTTCTGCCCTACTCTGACAATTGGTTT
TCCATTGAGCCATGGCTTAAAGTGTCCAATGAAATCTAGATTATGCCATTTTAAACTA
AAAGAAAATGGAATGCGTTTCTCCAGGACTATGGCGACAGATTCTCCTCAACCATCT
ACTGGTTTGATTTATTTAATTGGTCATCCTGAAGGCCAGATCAAGAAAATAGATGGTTGT
ACTGTGATTCCTCTAAACGAACGATTGAAAAATATCCAAACGATTGTCAAGATGGGTTG
GTAGATCTCTATGATACCACAGTAATGTATACTGTATGTTTACCAAAGAGTTTCCTA
TCAGAGGTTTGGAAACACACACGCTTAGTTATGATACTTGTTTCTCTGATGGGCTCTCA
GGCTCCCCAGTGTTAATGCATCTGGCAAATTGGTTGCTTTGCATACCTTTGGGCTTTT
TATCAACGAGGATTTAATGTGCATGCCCTTATTGAATTTGGTTATTCTATGGATTCTATT
CTTTGTGATATTAAGAGACAAATGAGAGCTTGTATAAATCATTAAATGATGAGAACTT
GAGACCTACGATGAAGAGAAAGGTAAACAAGAGTCATCACTTCAAGATCATCAGATTGAA
CCCATGGAATGT

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Restriction Sites: Please inquire

ACCN: NM_001142704

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<u>NM_001142704.1, NP_001136176.1</u>
RefSeq Size:	3362 bp
RefSeq ORF:	2115 bp
Locus ID:	374393
UniProt ID:	<u>Q6SJ93</u>
Cytogenetics:	11q12.1
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] Transcript Variant: This variant (3) lacks an alternate 5' UTR exon and the exon containing the translation start codon compared to variant 1. The resulting isoform (b) is shorter at the N-terminus compared to isoform a. Variants 2 and 3 both encode the same isoform.