

## Product datasheet for **SC307822**

### **FAM111B (NM\_198947) Human Untagged Clone**

#### **Product data:**

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



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**Fully Sequenced ORF:** >SC307822 representing NM\_198947.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGAATTCATGAAGACTGAAGAAAACAAGTCATTTAGCGCTATGGAAGATGACCAGAGGACTAGACCT
GAAGTTTCAAAGGATACTGTCATGAAGCAGACACATGCTGACACACCTGTTGATCATTGTCTATCTGGC
ATAAGAAAGTGTAGCAGCACCTTTAAGCTTAAAGTGAAGTCAACAAGCATGAAACAGCCCTTGAAATG
CAGAATCCAAATTTGAACAATAAAGAATGTTGTTTACCTTTACGTTGAATGAAACTCCAGAAAATTA
GACCGTAGTGTGTTACAGCATATGGTAAACCCAGCGAGAGTATCTACTCAGCCCTGAGTGCTAATGAC
TATTTTCAGTGAAGGATAAAGAATCAGTTTAAAGAACATTATTGTTTATGAAGAAAAGACAATAGAT
GGACATATAAATTTAGGAATGCCTCTCAAGTGCCTGCCTAGTGATTCTCATTTTAAATTTACATTTGGT
CAAAGAAAGAGTAGCAAAGAAGATGGACACATATTACGCCAATGTGAAATCCAAACATGGAATGCATT
CTTTTTCATGTTGTTGCTATAGGAAGGACAAGAAAGAAGATTGTTAAGATCAACGAACCTTCATGAAAA
GGAAGTAACTTTGTATTTATGCCTTGAAGGGTGAGACTATTGAAGGAGCCTTATGCAAGGATGGCCGT
TTTCGGTCTGACATAGGTGAATTTGAATGGAACTAAAGGAAGGTGATAAGAAAAATTTATGAAAAACAG
TCCATGGTGGATGAAGTATCTGGAAGTCTTAGAAATGGACATTTCAAAAAAAGCATTACAACAG
AAAGATATCCATAAAAAAATTAACAGAATGAAAGTGCCACTGATGAAATTAATCACCAGAGTCTGATA
CAGTCTAAGAAAAAGTCCACAAACCAAGAAAGATGGAGAGACCAAGATGTAGAACACAGCAGAGAG
CAAATTCCTCCACCTCAGGATCTAAGCCATTATTTAAAGATAAACTCGCCAGACAATTCACAGGATT
AGAAATATTACTTTGTAGTTTGCCCGAAAAATAGGCAAAATAAACTCACAAGTTAGACGGAGGCCG
CATCTGGGTAGGCGGTATGCTATTAATCTGGATGTCCAAAAGGAGGCAATTAATCTCTTAAAGAATTAT
CAAACGTTGAATGAAGCCATAATGCATCAGTATCCGAATTTTAAAGAGGAGGCACAGTGGTAAGAAAA
TATTTTCGGGAAGAACAAGAGAAATGAATCTTTACCAGCTAAGCAATTCAACATATATAAAAGGAC
TTCCGAAAAATGACTGCAATTTCTGTTTCAGTTGCAACCTGCGAACAGCTTACATATTATAGCAAGTCA
GTTGGGTTTCATGCAATGGGACAATAATGGAACACAGGTAATGCTACTTGCTTTGTCTTCAATGGTGGT
TATATTTTACCTGTCGACATGTTGTACATCTTATGGTGGGTAACACACATCCAAGTTGTGGCCA
GATATAATTAGCAATGTGCGAAGGTAACCTTCACTTATACAGAGTTCTGCCCTACTCTGACAATTGG
TTTTCCATTGAGCCATGGCTTAAAGTGTCCAATGAAATCTAGATTATGCCATTTTAAACTAAAAGAA
AATGGAATGCGTTTCTCCAGGACTATGGCGACAGATTTCTCCTCAACCATCTACTGTTTGATTTAT
TTAATTGGTCATCTGAAGGCCAGATCAAGAAATAGATGGTTGTACTGTGATTCTCTAAACGAACGA
TTGAAAAAATATCCAAACGATTGTCAAGATGGGTTGGTAGATCTCTATGATACCACAGTAAATGTATAC
TGATGTTTACCAAGAAGTTTCCTATCAGAGGTTTGAACACACACAGCTTAGTTATGATACTTGT
TTCTCTGATGGGTCTCAGGCTCCCAAGTGTAAATGCATCTGGCAAAATGGTTGCTTTGCATACCTTT
GGGCTTTTTTATCAACGAGGATTTAATGTGCATGCCCTTATTGAATTTGGTTATTCTATGGATTCTATT
CTTTGTGATATTTAAAGACAAATGAGAGCTTGTATAAATCATTAAATGATGAGAACTTGAGACCTAC
GATGAAGAGAAAGGTAACAAGAGTCATCACTTCAAGATCATCAGATTGAACCCATGGAATGTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_198947  
**Insert Size:** 2205 bp

**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).

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>OTI Annotation:</b>        | 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <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>RefSeq:</b>                | <a href="#">NM_198947.3</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>RefSeq Size:</b>           | 3574 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>            | 2205 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Locus ID:</b>              | 374393                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>UniProt ID:</b>            | <a href="#">Q6SJ93</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Cytogenetics:</b>          | 11q12.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>MW:</b>                    | 84.7 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Gene Summary:</b>          | <p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (a).</p> |