

## Product datasheet for **SC125919**

### **FAM3B (NM\_058186) Human Untagged Clone**

#### **Product data:**

**Product Type:** Expression Plasmids  
**Product Name:** FAM3B (NM\_058186) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** FAM3B  
**Synonyms:** 2-21; C21orf11; C21orf76; ORF9; PANDER; PRED44  
**Mammalian Cell Selection:** None  
**Vector:** [pCMV6-XL5](#)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**Fully Sequenced ORF:**

>OriGene sequence for NM\_058186 edited  
AGGGGCTCCGCTGGCTGCGGTGCGCTGGGAGCTGCCGCCAGGGCCAGGAGGGGAGCGGCA  
CCTGGAAGATGCGCCCATTTGGCTGGTGGCCTGCTCAAGGTGGTGTTCGTGGTCTTCGCCT  
CCTTGTGTGCCTGGTATTCGGGGTACCTGCTCGCAGAGCTCATTCCAGATGCACCCTGT  
CCAGTGTGCCTATAGCATCCGCAGCATCGGGGAGAGGCCTGTCTCAAAGCTCCAGTCC  
CCAAAAGGCAAAAATGTGACCACTGGACTCCCTGCCATCTGACACCTATGCCTACAGGT  
TACTCAGCGGAGGTGGCAGAAGCAAGTACGCCAAAATCTGCTTTGAGGATAACCTACTTA  
TGGGAGAACAGCTGGGAAATGTTGCCAGAGGAATAAACATTGCCATTGTCAACTATGTAA  
CTGGGAATGTGACAGCAACACGATGTTTTGATATGTATGAAGGCGATAACTCTGGACCGA  
TGACAAAAGTTTATTCAGAGTGTGCTCCAAAATCCCTGCTTTCATGGTGACCTATGACG  
ACGGAAGCACAAGACTGAATAACGATGCCAAGAATGCCATAGAAGCACTTGAAGTAAAG  
AAATCAGGAACATGAAATTCAGGTCTAGCTGGGTATTTATTGCAGCAAAAGGCTTGAAC  
TCCCTTCCGAAATTCAGAGAGAAAAGATCAACCACTCTGATGCTAAGAACAACAGATATT  
CTGGCTGGCCTGCAGAGATCCAGATAGAAGGCTGCATACCCAAAGAACGAAGCTGACACT  
GCAGGGTCTGAGTAAATGTGTTCTGTATAAACAAATGCAGCTGGAATCGCTCAAGAATC  
TTATTTTCTAAATCCAAAAAAAAAAAAAAAAA



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_058186 unedited TTGATTTGTATACGACTCACTATAGGCGGCCGCGTAATTCTCGAGCTCTAGCGAGGTGAC AGCGTAGAACACAGAGGGGCTCCGCTGGCTGCGGTGCGCTGGGAGCTGCCGCCAGGGCCAG GAGGGGAGCGGCACCTGGAAGATGCGCCATTGGCTGGTGGCCTGCTCAAGGTGGTGTTT GTGGTCTTCGCCCTCCTTGTGTGCCTGGTATTCGGGGTACCTGCTCGCAGAGCTCATTCCA GATGCACCCTGTCCAGTGTGCCTATAGCATCCGCAGCATCGGGGAGAGGCCTGTCCTC AAAGTCCAGTCCCCAAAAGGCAAAAATGTGACCACTGGACTCCCTGCCATCTGACACC TATGCCTACAGGTTACTCAGCGGAGGTGGCAGAAGCAAGTACGCCAAAATCTGCTTTGAG GATAACCTACTTATGGGAGAACAGCTGGGAAATGTTGCCAGAGGAATAAACATTGCCATT GTCAACTATGTAAGTGGGAATGTGACAGCAACACGATGTTTTGATATGTATGAAGCGAN TACTCTGGACCGATGACAAAAGTTTATTTCAGAGTGTGCTCCAAAATCCCTGCTCTTCATG TTGACCTATGACGACGGAGGCACAAGACTGAATAACGATGCCAAGAATGCCATAGAAGCA CTTGAAGTAAAGGAATCAGGAACATGAAATTCAGGTCTAGCTGGGTTTTTTATTGCAGC ACAAGGCTTGAGACTCCCTTCCGAAATTCAGAGAGGAAAAGATCAACCACTCTGATT GGTAAGAACAACAAGATTTCTGGCCTGGCCCTGCAGAGATCCAGTATAAAAGGCTGCAT ACCACAAGGAACCAACCTTACCCTGCGAGGGCCCTGGATAATGTGGTTTTGGTTAAACAA ATGCGCGCTGGGATCCCTCAAAAATCTTAATTTTTCTAATCCCAAAAAAAAAAAACCTCT CCACCCTGGTTCCGCCCTAAGGCC
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_058186
<b>Insert Size:</b>	900 bp
<b>OTI Disclaimer:</b>	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>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_058186.3</a> , <a href="#">NP_478066.3</a>
<b>RefSeq Size:</b>	1384 bp
<b>RefSeq ORF:</b>	708 bp
<b>Locus ID:</b>	54097
<b>UniProt ID:</b>	<a href="#">P58499</a>
<b>Cytogenetics:</b>	21q22.3
<b>Protein Families:</b>	Druggable Genome, Secreted Protein, Transmembrane

**Gene Summary:**

Induces apoptosis of alpha and beta cells in a dose- and time-dependent manner.  
[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a).