

Product datasheet for **SC106343**

FAM83D (BC001068) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM83D (BC001068) Human Untagged Clone
Tag:	Tag Free
Symbol:	FAM83D
Synonyms:	C20orf129; CHICA; dj616B8.3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for BC001068, the custom clone sequence may differ by one or more nucleotides

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CGAGTCCGAGCGCCGCCATGGCTCTGCTGTCCGAGGGCCTGGACGAGCTGCCCGCCGCTGCCTGTGCGC
GTGCGGGCCGCCAACCAGACGAGCTGTTTCAGCGAGTCACGGCGCCTGGCTCTGGAGGAGCTGGTGGCG
GGCGGCCCCGAAGCCTTCGCGGCCTTCCTGCGACGCGAGCGCCTGGCTCGTTTCCTGAACCCCGATGAGG
TGCACGCCATTCTGCGCGCGGCGAGAGGCCGGGAGAGGAGGGCGCGGCGGCGGCGGCGGCGGCGGCGGAGGA
CTCGTTTCGGCTCCTCGCACGACTGCTCTTCGGGCACCTACTTCCCGAGCAGTCGGACCTGGAGCCACCG
CTGTTGGAGCTTGGCTGGCCGCCTTCTACCAGGGCGCCTACCGCGGCGCCACGCGTGTCGAGACGCACT
TCCAGCCCCGCGCGCTGGCGAAGGTGGCCCTACGGCTGCAAGGACGCTCTGCGCCAGCAGCTCCGCTC
GGCGCGAGAGGTGATTGCAGTGGTCATGGACGTGTTACAGACATCGACATCTTCAGAGACCTGCAAGAA
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TGTGCATGGATCTGAAAGTTCATCCTGAACAGGAAAAAGTTAATGACAGTTCGGACTATCACAGGAAATAT
CTACTATGCAAGGTCAGGAACTAAGATTATTGGGAAGGTTACGAAAAAGTTCACGTTGATTGATGCGATC
CGCGTGGCAACAGGCTCCTACAGTTTTACATGGACGGATGGCAAATTAACAGCAGTAACCTGGTAATTC
TGCTCTGGCCAAGTGTTGAACACTTTGATCTGGAGTTCGGAATCCTGTATGCCAGTCCAAGCCCATCAG
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CAAACAGAGCCAGGAGAGGAGATGCCAGGGCTGAGTGTGAGTGAGGTGGGAACACAAACCAGCATCACCA
CAGCATGTGCTGGTACCCAGACTGCAGTCATACCAGGATAGCAAGCTCTCAAACCACGATTTGGTCCAG
ATCGACCACTACTCAGACTGACATGGATGAGAACATTCTCTTTCCTCGAGGAACTCAATCTACAGAAGGG
TCACCAGTCTCAAAAATGTCTGTATCGAGATCTCCAGTTTGAAGTCTTCTCCTCTGTGTCTTCCAAG
GCTCTGTGGCAAGCTCCACTGGTTCTCCGCTTCCATCAGAACCCTGACTTCCACAATCCTGGCTATCC
CAAGTACCTGGGCACCCCCACCTGGAAGTGTACTTGAGTGACTCACTTAGAACTTGAACAAAGAGCGG
CAATTCCTTTCGCTGGTATCAGGTCCCGGCTCAACCACATGCTGGCTATGCTGTCAAGGAGAACACTCT
TTACTGAAAACCACTTGGCCTTCACTTCTGGCAATTTACGAGAGTTAATTTGCTTGCTGTAGAGATGT
AGCACTTTATCCTTCTATCAGTAAGTGTCCGTGTTGAGTCTCTGGTTTCTTCCAGGCTTACAGTGGA
CATCATCAGCTTCTGCTTTAAAAAATATCTTATGTCCCTAATTGCCTTTCTTTTACCTGACTTTGTCAC
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TATTGGTTTTATGGTTTAAACACTATGGATACAGGGGTTGTTTTGCACAATTTAATAGTCATGCACTA
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TTTACTATACCTTTTCTATGTTTAGATACAAATACCATTATGTTACAGTTGCCTACAGTATTACAGTGCAG
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TTGAATCACCAGCATTTTGTGATCAAAATCCTATTTAGAAAAATAAACTACTTTCTGTTTAAAAAAA
AAAAAAAAAAAAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for BC001068 unedited TCATTTTGTATACGACTCACTATAGGCGGCCCGCAATTCGCACGAGGCCATGGCTCTGC TGTCCGAGGGCCTGGACGAGGTGCCCGCCGCTGCCTGTGCGCGTGCAGGCGCCCAACC CGACCGAGCTGTTACGCGAGTACGCGCGCTGGCTCTGGAGGAGCTGGTGGCGGGCGGCC CCGAAGCCTTCGCGGCCTTCTGCGACGCGAGCGCCTGGCTCGTTTCTGAACCCCGATG AGGTGCACGCCATTCTGCGCGCGCGGAGAGGCCGGGAGAGGAGGGCGCGCGCGCGCGG CGCGCGCGGAGGACTCGTTCCGCTCCTCGCACGACTGCTCTTCGGGCACCTACTTCCCCG AGCAGTCGGACCTGGAGCCACCGCTGTTGGAGCTTGGCTGGCCCGCCTTCTACCAGGCG CCTACCGCGCGCCACGCGTGTGAGACGCACTTCCAGCCCCGCGCGCTGGCGAAGGTG GCCCCACGGCTGCAAGGACGCTCTGCGCCAGCAGCTCCGCTCGGCGCGAGAGGTGATTG CAGTGGTCATGGACGTGTTACAGACATCGACATCTTCAGAGACCTGCAAGAAATATGCA GGAAACAGGGAGTTGCTGTGTATATCCTTCTGGACCAGGCTCTCCTCTCTATTCTG ATATGTGCATGGATCCTGAAAGCTCATCCTGAACAGGAAAAGCTAACACCGGTTCCGAC CATCACAGGAAATATCTACTATGCACGGCCAGGAACTAACATATTGGGAAAAGGTCCCG AAATGTCCAGGTTGATTGGTGTGATTAGGGTGGAAACCGGTTCTACGGAACCGCCCGG CTCGTATCACTCCCTCGTCAAAACCTCGT
3' Read Nucleotide Sequence:	>OriGene 3' read for BC001068 unedited NGGAAATACTGTGACCGCGGCCCAATCTACGAGCGAGTTTTTTTTTTTTTTTTTTTT TTAAACAGAAATTTGTTTTATTTTTTTTAAATAGGATTTTGATCACAAAATGCTGGTGA TTCAAACCTTTAAACAGAAAGAGCATACAACCTAAGAAAAATGCAAAACAGGCTACAAAC CTGTACATCATGTTACTGCACTGAATACTGTAGGCAACTGAACATAATGGTATTTGTAT CTAAACACAGAAAAGGTATAGTAAAAATACAGTATTATAATCTTATGAGACTGCCAACAT ATACGTGGTCTGTCAATTGACCAAAACATCATTATGTAGTGCATGACTATTAATAATTGTGC AAAACAAACCCCTGTATCCATAGTGTAAACCAATAAAACCAATACCTGGTATATACATG ACAAAACAAAGCATGTAAACAATATGCAGCCTAAAGAATTCAAAGACAACAAAGGTGAC AAAGTCAGGTAAGAAAGGCAATTAGGGACATAAGATATTTTTTACAGCAGGAAGCTGA TGATGTCCACTGTACGCTGGAAGAAACCAGGAGTTTGAACACGGTACACTTACTGATAG GAAGGATAAAGTGCTACATTTTTACCAGTAAGCAAAATTAACCTGCTGAAATTGCCAGAC TGACGGCAAGGCGGCTTTTCAGTAAAGAGTGTTCCTTTGACAGCACACCCCGCATGT GGCTTGACCCGGCACCTTGAACCCAGCGAAGCGCAATTGCCGCTTTTCTGTTACGCTT ATAAGTGAGTCACTCAAGCACAGTTCAGGTGCGGGGGTGCCAGTTCCTTGGGCATTAC CAGAATTGCGGAATTTAAGGGTCCTTGAGGAAGCGGAAAAACAGAGGAGCTTGCCCAA TACCTTGCAAAACACACGCGCAACAC
Restriction Sites:	NotI-NotI
ACCN:	BC001068
Insert Size:	2320 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).
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:	BC001068.1 , AAH01068.1
RefSeq Size:	2333 bp
RefSeq ORF:	555 bp
Locus ID:	81610
Cytogenetics:	20q11.23
Protein Families:	Druggable Genome
Gene Summary:	Probable proto-oncogene that regulates cell proliferation, growth, migration and epithelial to mesenchymal transition. Through the degradation of FBXW7, may act indirectly on the expression and downstream signaling of MTOR, JUN and MYC (PubMed:24344117). May play also a role in cell proliferation through activation of the ERK1/ERK2 signaling cascade (PubMed:25646692). May also be important for proper chromosome congression and alignment during mitosis through its interaction with KIF22.[UniProtKB/Swiss-Prot Function]