

Product datasheet for **SC318055**

FAM83D (NM_030919) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM83D (NM_030919) Human Untagged Clone
Tag:	Tag Free
Symbol:	FAM83D
Synonyms:	C20orf129; CHICA; dj616B8.3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC318055 representing NM_030919.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGCTCTGCTGTCCGAGGGCCTGGACGAGGTGCCCGCCGCTGCCTGTGCGCGTGC GGCGCCGCCAAC
CCGACCGAGCTGTTACGCGAGTCACGGCGCCTGGCTCTGGAGGAGCTGGTGGCGGGCGGCCCGAAGCC
TTCGCGGCCCTTCCTGCGACGCGAGCGCCTGGCTCGTTTCCTGAACCCCGATGAGGTGCACGCCATTCTG
CGCGCGCGGAGAGGCCGGGAGAGGAGGCGCGCGCGCGCGCGCGCGCGCGGCGGAGGACTCGTTCGGCTCC
TCGCACGACTGCTCTTCGGGCACCTACTTCCCGAGCAGTCGGACCTGGAGCCACCGCTGTTGGAGCTT
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GCAACAGGCTCCTACAGTTTACATGGACGGATGGCAAATTAACAGCAGTAACCTGGTAATTCTGTCT
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ACAGCATGTGCTGGTACCCAGACTGCAGTCATCACCAGGATAGCAAGCTCTCAAACACGATTTGGTCC
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CAAGGCTCTGTGGCAAGCTCCACTGGTTCTCCGCTTCCATCAGAACCACTGACTTCCACAATCTGGC
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GAGCGGCAATTCACCTTCGCTGGTATCAGGTCCCGCTCAACCACATGCTGGCTATGCTGTCAAGGAGA
ACACTCTTTACTGAAACACCTTGGCCTTCATTCTGGCAATTCAGCAGAGTTAATTTGCTGTGTT
AGAGATGTAGCACTTTATCCTTCTATCAGTAA
AGCGGACCGACGCTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGAT
ATCCTGGATTACAAGGATGACGACGATAAGGTTTAA
  
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Restriction Sites: Sgfl-RsrII

ACCN: NM_030919

Insert Size: 1758 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).

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_030919.2</u>
RefSeq Size:	2445 bp
RefSeq ORF:	1758 bp
Locus ID:	81610
UniProt ID:	<u>Q9H4H8</u>
Cytogenetics:	20q11.23
Protein Families:	Druggable Genome
MW:	64.4 kDa
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]