

Product datasheet for **SC305299**

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:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:	>OriGene ORF sequence for NM_030919 edited <pre> ATGGCGCGGGCCTGTTTGATTCAAAGGTTGCCTATAAAGCGGGACTGCACGCCGGTTTTT GTCCGAGGGCTGTGAGTCCGAGCGCCGCATGGCTCTGCTGTCCGAGGGCTGGACGAG GTGCCCCGCCCTGCCTGTGCGCGTGCGGGCGCCCAACCGACCGAGCTGTTACAGCGAG TCACGGCGCCTGGCTCTGGAGGAGCTGGTGGCGGGCGGCCCGAAGCCTTCGCGGCCCTTC CTGCGACGCGAGCGCCTGGCTCGTTTCTGAACCCCGATGAGGTGCACGCCATTCTGCGC GCGGCGGAGAGGCCGGGAGAGGAGGGCGCGCGCGCGCGCGCGCGCGCGAGGACTCGTTC GGCTCCTCGCACGACTGCTCTTCGGGCACCTACTTCCCGAGCAGTCGGACCTGGAGCCA CCGCTGTTGGAGCTTGGCTGGCCCGCCTTCTACCAGGGCGCCTACCGCGCGCCACGCGT GTGAGACGCACTTCCAGCCCCGCGCGCTGGCGAAGGTGGCCCCACGGCTGCAAGGAC GCTCTGCCCAGCAGCTCCGCTCGGCGCGAGAGGTGATTGCAGTGGTCATGGACGTGTTT ACAGACATCGACATCTTCAGAGACCTGCAAGAAATATGCAGGAAACAGGGAGTTGCTGTG TATATCCTTCTGGACAGGCTCTCTCTCAATTTCTGGATATGTGCATGGATCTGAAA GTTTCATCTGAACAGGAAAAGTTAATGACAGTTCGGACTATCACAGGAAATATCTACTAT GCAAGGTGAGGAACTAAGATTATTGGGAAGGTTACGAAAAGTTCACGTTGATTGATGGC ATCCGCGTGGCAACAGGCTCCTACAGTTTTACATGGACGATGGCAAAATTAACAGCAGT AACTTGGTAATTCTGTCTGGCCAAGTGGTTGAACACTTTGATCTGGAGTCCGAATCCTG TATGCCAGTCCAAGCCCATCAGCCCCAACTCCTGTCTCACTTCCAGAGCAGCAACAAG TTTGATCACCTCACCAACCGAAAACACAGTCCAAGGAGCTCACCTGGGCAACCTGCTG CGGATGCGGCTGGCTAGGCTGTCAAGTACTCCAGGAAGGCGGACCTGGACCCAGAGATG CCCGCAGAGGGCAAGGCAGAGCGCAAGCCCCATGACTGTGAGTCTCTACTGTTAGTGAG GAAGACTACTTCAGCAGCCACAGGACGAGCTCCAGAGCAGAAAGGCCATTGACGCTGCC ACTCAAACAGAGCCAGGAGAGGAGATGCCAGGGCTGAGTGTGAGTGAGGTGGGAACACAA ACCAAGCATCACACAGCATGTGCTGGTACCCAGACTGCAGTCATCACAGGATAGCAAGC TCTCAAACACGATTTGGTCCAGATCGACCACTACTCAGACTGACATGGATGAGAACATT CTCTTTCTCGAGGAACCTCAATCTACAGAAGGGTCACCACTCTCAAAAATGTCTGTATCG AGATCTTCCAGTTTGAAGTCTTCTCTCTGTGCTTCCCAAGGCTCTGTGGCAAGCTCC ACTGGTTCTCCCGCTTCCATCAGAACCACTGACTTCCACAATCCTGGCTATCCCAAGTAC CTGGGCACCCCCACCTGGAAGTGTACTTGAGTGACTCACTTAGAAACTGAACAAAGAG CGGCAATTCCACTTCGCTGGTATCAGGTCCCGGCTCAACCACATGCTGGCTATGCTGTCA AGGAGAACTCTTTACTGAAAACCACTTGGCCTTCATTCTGGCAATTTAGCAGAGTT AATTTGCTTGCTGTTAGAGATGTAGCACTTTATCCTTCTATCAGTAA </pre>
Restriction Sites:	Please inquire
ACCN:	NM_030919
Insert Size:	4500 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:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_030919.1.
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_030919.1, NP_112181.1</u>
RefSeq Size:	2427 bp
RefSeq ORF:	876 bp
Locus ID:	81610
UniProt ID:	<u>Q9H4H8</u>
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]