

Product datasheet for **SC107382**

FAM20C (NM_020223) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM20C (NM_020223) Human Untagged Clone
Tag:	Tag Free
Symbol:	FAM20C
Synonyms:	DMP-4; DMP4; G-CK; GEF-CK; RNS
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_020223, the custom clone sequence may differ by one or more nucleotides

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ATGAAGATGATGCTGGTGCGCCGGTCCGCGTGCTCATCCTGATGGTGTCTGGTGGCCTGCGCGCTGC
ACATCGCCCTGGACCTGCTGCCAGGCTGGAGCGACGCGCGCGCCCTCGGGGAGCCCGGCTGTTC
GTGCGCGCAGCCCGCCGAGGTGGCCGCGCCGGCTGGGCCAGGTTGCGGGCCGCCCGGGAGGCC
CCGGCCGCTCCTCCGCCCGCGGACGCGGGCTGGCCAAACAAGCACACGCTCCGCATCCTGCAGGACT
TCAGCTCCGACCCTCCTCCAACCTCTCGTCCCACTCGCTGGAGAAACTGCCGCCGCGCGGAGCCGGC
CGAGCGCGCCTTGCGGGGCGGGATCCCGGCGCCCTAAGACCCACGACCCCGCGCACCGGCCGCTGCTG
CGAGACCCCGGCCGCGTCCGTCGAGTCGCCCCCGGCCCGCGGAGACGCCTCCCTCTGGCCAGGC
TGTTTCGAGACCCGCTTACCAGGTGGCGGTTCCGCGCTCACGGAGGAGGACGCTCTGTCAATGTGAA
CAGCGACACCAGGCTCAGCCCCAAGCGGCGGAGAACCCGGACTGGCCGCATGCGGGTCTGAAGGTGCA
GAATTCCTCTCCCCGGGAGGCGGCCGTGGACTCCTATCCCACTGGCTCAAGTCCACATTGGTATCA
ACCGGTACGAGCTGACTCCAGACACAACCCGGCCATCGAGGCCCTGCTGCACGACCTCAGTCCCAGAG
GATCACCAGCGTGCCATGAAGTCGGGGGCGACGAGCTGAAGCTCATATGACCTCCAGAATTACGGG
CAAGCGCTGTTCAAACCCATGAAACAAACGAGGGAGCAGGAGACACCCCTGACTTTTTTATTTCTCTG
ACTACGAGAGGCACAATGCGGAGATTGCTGCCTTCCACCTGGACAGGATCCTGGACTTCCGCCGGTCCC
TCCCGTGGCCGCGCAGGATGGTCAACATGACCAAGGAGATCCGGGACGTCACACGGGACAAGAAGCTCG
AGGACCTTCTTCACTCTCCAGCCAACAACATCTGTTTACGGCGAGTGTTCCTACTACTGCTCCACGG
AGCACGCCCTGTGCGGAAGCCAGACCAGATCGAGGGCTCGTGGCGGCTTCTGCCGACCTGTCCCT
GGCCAAGAGGAAGACCTGGCGGAACCTTGGCGGCTTCTACCACAAGCGCAAGAAGGCCGAGTGGGAG
GTGGACCTGACTACTGCGAGGAGTGAAGCAGACACCGCCCTACGACAGCAGCCACCGCATCCTGGACG
TCATGGACATGACGATCTTCGACTTCTCATGGGAAACATGGACCGTACCACACTACGAGACTTTTGAGAA
GTTTGGGAATGAAACGTTTCATATCCACTTAGACAATGGAAGAGGGTTTGGGAAGTATTCGACAGCAGAG
CTCTCCATCCTGGTGCCGCTACAGCAGTGTGCAGGATCCGGAAGTCCACCTACCTGCGTCTGCAGCTCC
TGGCCAAGGAGGAGTACAAGCTGAGCCTGCTGATGGCCGAGTCTCTGCGGGGGACCAGGTGGCACCCGT
GCTGTACCAGCCGACCTGGAGGCCCTGGACCGCGGCTCCGCGTCTGCTAAAGCCGTCGGGACTGC
GTGGAGAGGAACGGGCTCCACAGCGTGGTGGATGACGACCTGGACACTGAGCACAGACCCGCTCGGCGA
GGTAG
    
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5' Read Nucleotide Sequence: >OriGene 5' read for NM_020223 unedited

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ATTTTGTATACGACTTCACTATAGGGCGGCCGCGAATTCGCACGAGGGCGGCGGGCGCCC
TGCACGCGGCCCGGGCCCGGGGACAGCCCCGAGCTGGTAGCCGCCCGGCACCGATGGAC
CTTGACCCGCGAGGCGGCGCCGCTCGTGCCAGCTGCAGCTAGAGGGGCGCGCGGCA
GAACGCGCTCCAGGCCCGGGCCCGCGGCCATGAAGATGATGCTGGTGCGCCGT
TCCGCGTCTCATCCTGATGGTGTTCCTGGTGGCCTGCGCGCTGCACATGCCCTGGACC
TGCTGCCCAGGCTGGAGCGACGCGGCGCGGCCCTCGGGGACCCGGCTGTTCTGTGCGC
GCAGCCC GCCCGAGGTGGCCGCGCCNCGCTGGGGCCAGGTTGCGGGCCGCCCGGG
GAGCCCCGCGCCCTCCTCCGCCCGCGGACGCGGGCTGGCCNCCNNGCACACGCTC
CGCATCCTGCAGGACTTCAGCTCCGACCCCTCCTCCAACCTCTCGTCCCACTCGTGGAG
AAACTGCCGCCCGCGCCGAGCCGGCCGAGCGCGCCTTGGGGGGCGGGATCCCGGGGCC
CTAAGACCCACGACCCCGCGCACCGCCGGTGTGCGAAGACCCGGCCCGCTCGGTCC
CGAGTCGCCCCCGGCCCTGGCGGAGACGCTCCTCCTGGCCAGGCTGTTGAGCACCC
GTTTTACGGTTGGGGGTTTTCNTNTTCAACNGGAAGACCTTCTGTTATTGTGAATAN
TTAATCCTTTTTTTCCAAAATTGGTGTAAATTTCCCTGTTTATCCCTTTTCTTNA
TGTTTTATTTCTTCCCTGTNAAATTACTCTAA
    
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Restriction Sites: NotI-NotI

ACCN: NM_020223

Insert Size:	4700 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
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:	<ol style="list-style-type: none"> 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:	NM_020223.1 , NP_064608.1
RefSeq Size:	2787 bp
RefSeq ORF:	2787 bp
Locus ID:	56975
UniProt ID:	Q8IXL6
Cytogenetics:	7p22.3
Protein Families:	Secreted Protein, Transmembrane
Gene Summary:	This gene encodes a member of the family of secreted protein kinases. The encoded protein binds calcium and phosphorylates proteins involved in bone mineralization. Mutations in this gene are associated with the autosomal recessive disorder Raine syndrome. [provided by RefSeq, Apr 2014]