

Product datasheet for **SC318003**

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:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC318003 representing NM_020223.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGC
ATGAAGATGATGCTGGTGCGCCGGTTCGCGTGCTCATCTGATGGTGTTCCTGGTGGCCTGCGCGCTG
CACATCGCCCTGGACCTGCTGCCAGGCTGGAGCGACGCGCGCGCCCTCGGGGAGCCCGGCTGT
TCGTGCGCGCAGCCCGCCGAGGTGGCCGCGCCGGCTGGGCCAGGTTTCGGGGCCGCCCGGGGAG
CCCCCGGCCGCTCCTCCGCCGCGCGACGCGGGCTGGCCCAACAAGCACACGCTCCGCATCCTGCAG
GACTTCAGCTCCGACCCCTCCTCCAACCTCTCGTCCCACTCGTGGAGAACTGCCGCCCGCGGCCGAG
CCGGCCGAGCGCGCTTGCGGGGCGGGATCCCGCGCCCTAAGACCCACGACCCCGCGCACCGGCCG
CTGCTGCGAGACCCCGCCGCTCGGTCCGAGTCGCCCCCGGCCCGCGGAGACGCCTCCCTCTG
GCCAGGCTGTTGAGCACCCGCTTACCGGGTGGCGGTTCCGCCGCTCACGGAGGAGACGTCCTGTTT
AATGTGAACAGCGACACAGGCTCAGCCCCAAAGCGCGGAGAACCCGGACTGGCCGCATCGGGTGCT
GAAGGTGAGAATTCCTCTCCCGGGGAGGCGCGTGGACTCTATCCCAACTGGCTCAAGTTCCAC
ATTGGTATCAACCGGTACGAGCTGACTCCAGACACAACCCGGCCATCGAGGCCCTGCTGCACGACCTC
AGCTCCCAGAGGATCACCAGCGTGGCCATGAAGTCGGGGGGCACGCAGCTGAAGTCATCATGACCTTC
CAGAATTACGGGCAAGCGCTGTTCAAACCATGAAACAAACGAGGGAGCAGGAGACACCCCTGACTTT
TTTTATTTCTCTGACTACGAGAGGCACAATGCGGAGATTGCTGCCTTCCACCTGGACAGGATCCTGGAC
TTCCGCCGGGTCCCTCCCGTGGCCGGCAGGATGGTCAACATGACCAAGGAGATCCGGGACGTCACACGG
GACAAGAAGCTCTGGAGGACCTTCTTCTCTCCAGCCAACAACATCTGCTTCTACGGCGAGTGTTC
TACTACTGCTCCACGGAGCACGCCCTGTGCGGGAAGCCAGACCAGATCGAGGGCTCGCTGGCGGCCTTC
CTGCCCGACCTGTCCCTGGCCAAGAGGAAGACCTGGCGGAACCTTGGCGGCTTCTACCAAGCGC
AAGAAGGCCGAGTGGGAGGTGGACCCTGACTACTGCGAGGAGGTGAAGCAGACACCGCCCTACGACAGC
AGCCACCGCATCCTGGACGTCATGGACATGACGATCTTCGACTTCTCATGGAAACATGGACCGTCAC
CACTACGAGACTTTTGAGAAGTTTGGGAATGAAACGTTTCATCATCCACTTAGACAATGGAAGAGGTTT
GGGAAGTATTCGACGACGAGCTCTCATCCTGGTGCCGCTACAGCAGTGTGACGATCCGGAAGTCC
ACCTACCTGCGTCTGCAGCTCCTGGCCAAGGAGGAGTACAAGCTGAGCCTGCTGATGGCCGAGTCTCTG
CGGGGGGACCAGGTGGCACCCGTGCTGTACCAGCCGACCTGGAGGCCCTGGACCGGCGGCTCCGCGTC
GTGCTAAAGGCCGTCCGGGACTGCGTGGAGAGGAACGGGCTCCACAGCGTGGTGGATGACGACCTGGAC
ACTGAGCACAGAGCCGCCTCGGCGAGGTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI
ACCN: NM_020223
Insert Size: 1755 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>
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:	<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_020223.3
RefSeq Size:	2787 bp
RefSeq ORF:	1755 bp
Locus ID:	56975
UniProt ID:	Q8IXL6
Cytogenetics:	7p22.3
Protein Families:	Secreted Protein, Transmembrane
MW:	66.2 kDa
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]