

Product datasheet for **SC123452**

FAM20C (BC040074) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM20C (BC040074) Human Untagged Clone
Tag:	Tag Free
Symbol:	FAM20C
Synonyms:	dentin matrix protein 4; DMP4; family with sequence similarity 20, member C; RNS
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for BC040074 edited
GCGAGGCGGCGCCGCTCGTGCCAGCTGCAGCTAGAGGGGCGCGGGCAGAACGCGC
TCCAGGCCCGGGCCGGCCGCGCGGCCATGAAGATGATGCTGGTGCGCCGGTTCCGCGTG
CTCATCTGATGGTGTTCCTGGTGGCTGCGCGCTGCACATCGCCCTGGACCTGCTGCC
AGGCTGGAGCGACGCGCGCGCGCCCTCGGGGAGCCCGGTGTTCTGTGCGCGAGCCC
GCCGCCAGGTGGCCCGCCCGCTGGGCCAGGTTTCGGGGCCGCCCGGGGAGCCCCCG
GCCGCTCTCCGCGCGCGCGACGCGGGCTGGCCCAACAAGCACACGCTCCGCATCTG
CAGGACTTCAGTCCGACCCCTCCTCAAACCTCTCGTCCCACTCGCTGGAGAAACTGCCG
CCCGCGCGCGAGCCGGCCGAGCGCGCTTTCGGGGGCGGGATCCCGCGCCCTAAGACCC
CACGACCCCGCGCACCGGCCGCTGCTGCGAGACCCCGCCCGCTCGGTCCGAGTCGCC
CCCGGCCCGGGGAGACGCTCCTCCTGGCCAGGCTGTTGAGCACCCGCTTTACCGG
GTGGCGGTTCCGCGCTCACGGAGGAGGACGCTCTGTTCAATGTGAACAGCGACACCAGG
CTCAGCCCCAAAGCGCGGAGAACCAGGACTGGCCGATGCGGGTGTGAAGGTGCAGAA
TTCCTCTCCCCGGGAGCGCGCTGGACTCCTATCCCAACTGGCTCAAGTTCACATT
GGTATCAACCGGTACGAGCTGTACTCCAGACACAACCCGGCCATCGAGGCCCTGTCGAC
GACCTCAGCTCCAGAGGATCACCAGCGTGGCCATGAAGTCGGGGGCGACGAGCTGAAG
CTCATCATGACCTTCCAGAATTACGGGCAAGCGCTGTTCAAACCCATGAAACAAACGAGG
GAGCAGGAGACACCCCTGACTTTTTTTTCTCTGACTACGAGAGGCACAATGCGGAG
ATTGCTGCCTTCCACCTGGACAGGATCCTGGACTTCCGCCGGGTCCCTCCCGTGGCCGGC
AGGATGGTCAACATGACCAAGGAGATCCGGGACGTACACGGGACAAGAAGCTCTGGAGG
ACCTTCTCATCTCTCCAGCCAACAACATCTGCTTCTACGGCGAGTGTTCCTACTACTGC
TCCACGGAGCACCCCTGTGCGGGAAGCCAGACCAGATCGAGGGCTCGCTGGCGGCTTC
CTGCCGACCTGTCCCTGGCCAAGAGGAAGACCTGGCGGAACCTTGGCGGCTTCTCTAC
CACAAGCGCAAGAAGGCCGAGTGGGAGGTGGACCCTGACTACTGCGAGGAGGTGAAGCAG
ACACCGCCCTACGACAGCAGCCACCGCATCCTGGACGTCATGGACATGACGATCTTCGAC
TTCCTCATGGGAAACATGGACCGTCAACACTACGAGACTTTTGAGAAGTTTGGGAATGAA
ACGTTTCATCATCCACTTAGACAATGGAAGAGGGTTTGGGAAGTATTCGCACGACGAGCTC
TCCATCCTGGTCCGCTACAGCAGTGTGCAGGATCCGGAAAGTCCACCTACCTGCGTCTG
CAGCTCCTGGCCAAGGAGGAGTACAAGCTGAGCCTGCTGATGGCCGAGTCTCTCGGGGG
GACCAGGTGGCACCCGTGCTGTACCAGCCGCACCTGGAGGCCCTGGACCGCGGCTCCGC
GTCGTGCTAAAGGCCGTCCGGGACTGCGTGGAGAGGAACGGGCTCCACAGCGTGGTGGAT
GACGACCTGGACACTGAGCACAGAGCCGCTCGGCGAGGTAGTGTCCGCCGGCCGCTGCC
CTGCCCGGGACGGAGACAGAGGCCCGGACCTCCAGCAAGCGCATGCGCCCGTCTGAA
TTCAGTGAATTCAGAGGCAGGACGGGATCATCCGGAGTCGGGAGCTGCTGCCACAGGAGG
CGAGGCTCCCCAGGTCTCATAGGACACATTTTGTAGTGTGGACCAGAAAAGCTTGGGA
AGGAAGCGCTGTCTGTGCTCACGGACAGAGGGCGCGCGCCGGAGGCATTCCATCCTTT
CTGTAGGAAAGGAGCCTTTATTTACTATTTTGTATTTATATTTGATGAATAAGTATATA
AACAGAGACGTGTACACAGATGCCAATCACCTACCAAACCAAACACGAGGACCCCTCC
CTGGTTCTGGGGCCCCCTCAAGGCCAAGCTCACCCCTCAAGTGTCTCACACTCGGGACC
TAATTCAGTAAAAACCTTTCTCCTTCCGCGGCTCGGCTCCTGGAGGGCTGGAGGGT
CTCGTCTGAGGACGGGAGGAGGCTCTCGTGGACGCTGCGCTGTGCGCTGGTGGACGGA
TGCTACGTGGTTTTGGAGGACCCGATGACCAGGCGTCTGCGAGTCCGCCCGCTGGCT
GCAGCACCCACCTCGGACTTGGCTGTGGACGTTGGTGAAGTGCATCCTGCAGGCTGG
CTGTGCGCAGCTGTGGGCTGACCTTTCAGAGTTTTGTGAATAGTTTGAATGCATAA
AAGTGAATAAAGGTACAGCAGATGTGAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for BC040074 unedited GTTCGAATTTTGTAAACGAACATATAGGGCGGCCGCGNATTCAAATCTGGTACCGGT CCGGAATTCGCGGATATCGTCGACCCACGCGTCCGGCGAGGCGGCGCCGCGCTCGTGCC CAGCTGCAGCTAGAGGGGCGCGGGCAGAACGCGCTCCAGGCCCGGGCCGCGCCGCGCG GCCATGAAGATGATGCTGGTGCGCCGTTCCGCGTGCTCATCCTGATGGTGTTCCTGGTG GCCTGCGCGCTGCACATCGCCCTGGACCTGCTGCCAGGCTGGAGCGACGCGGCGCGCG CCCTCGGGGAGCCCGGCTGTTCTGTGCGCGCAGCCCGCCGAGGTGGCCGCGCCGCGG TGGGCCAGGTTTCGGGGCCGCCCGGGAGCCCGGCCGCTCCTCCGCGCCGCGCGAC GCGGGCTGGCCAAAGCACACGCTCCGCATCCTGCAGGACTTCAGCTCCGACCCTCC TCCAACCTCTCGTCCCCTCGCTGGAGAACTGCCGCCGCGCCGAGCCGCGCGAGCGC GCCTTGCGNGGCGGGATCCCGGCGCCCTAAGACCCACGACCCCGCGCACCGGCGCGT CTGCGAGACCCCGCCCGCTCGGTCCGAGTCGCCCCCGGCCCGGGGAGACGCTCC CTCTGGCCAGGCTGTTGAGCACCCGCTTTACCGGTGGCGGTTCCGCCGCTCACGGGA GAGGACGTCCTGTTTCATGTGAACAGCGACACCAGGCTCAGCCCCAAAGCGCGGAGAACC CGTACTGGCCGATGGCGGTGCCTGAAGTGCAAAATTTCTCTCCCGGGGAAGGCGCGG GGAACCTCTACCCAACTGCCTAAGTTCAAATTTGATTACACCCGGTCAACTGTACCT CAAAACAACCCGCCATGGAGGCCGTTGGCGAACTAAGTTA
Restriction Sites:	Please inquire
ACCN:	BC040074
Insert Size:	2632 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:	<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:	BC040074.1 , AAH40074.1
RefSeq Size:	2632 bp
Locus ID:	56975
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]