

Product datasheet for **SC121644**

FAM5C (BRINP3) (NM_199051) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM5C (BRINP3) (NM_199051) Human Untagged Clone
Tag:	Tag Free
Symbol:	FAM5C
Synonyms:	DBCCR1L; DBCCR1L1; FAM5C
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC121644 sequence for NM_199051 edited (data generated by NextGen Sequencing)

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ATGATATGGCGAAGCAGAGCTGGTGTGAATTGTTCTCTCTGATGGCTCTATGGGAGTGG
ATAGCACTGAGTCTTCATTGCTGGGTTTTAGCGGTTGCTGCTGTTTTGGATCAGCATGCC
ACAAGCCCCTTCGACTGGCTCCTCTCTGATAAGGGACCCTCCATCGCTCACAGGAATAC
ACAGATTTTGTGGACAGAAGCCGGCAGGGATTTAGCACAAAGATAACAAGATATACAGGGAG
TTTGGCCGCTGGAAAGTAAATAACCTTGCAGTTGAGAGAAGAAATTTCTTGGCTCTCCT
CTGCCTCTTGCCCTGAATTCTTCCGCAACATAAGACTTTTGGGACGTCGACCTACCCTT
CAGCAAATCACAGAAAACCTTATCAAGAAATATGGGACACATTTCTTGCTATCTGCTACT
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GAAGGAAGTGATTCCACCACCAATAGCTCTTCGGTCACTCTGGAGACGCTACATCAGCTA
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GCATCCACTGCCATAAAGGTAACAGAAACACGGACTGGTCTCTTGGCTGCAGTAACTAT
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CTCAATAGCTGGTTTGATCCCTCCTGGCGTAAGCGGATGCTCCTCACCTGAAGAGCAAT
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AAAACAGCACCTTGGAGCCAGTGTGGCTGTTTATGTCAATCCCTTCGGAGGCAGCCAC
TCTGAGAGCTGGTTTATGCCTGTGAATGAAAACAGCTTTCCAGACTGGGAGCGGACTAAG
TTGGACCTACCCCTGCAGTGTTATAACTGGACATTAACCTCTGGGGAACAAATGGAAGACA
TTTTTTGAGACAGTACACATCTACCTGAGAAGTCGCATCAAGTCCAATGGTCCCAATGGT
AATGAGAGCATTTACTATGAACCTCTGGAGTTTATTGACCCTTCCCGAACCTGGGCTAT
ATGAAAATCAATAACATTCAGTGTTTGGCTACAGCATGCACTTTGACCCTGAAGCAATT
CGGGACCTGATTTTGCAGCTGGACTACCCCTATACTCAGGGATCCCAGGATTCAGCACTT
TTGCAACTACTAGAGATCAGAGACCGTGTAAATAAACTCTCCCCACCTGGTCAGCGTCGT
CTAGATCTTTTCTTTGCTTGTTCGTCATAGACTCAAGCTGTCTACTAGTGAGGTGGTG
AGGATCCAATCTGCTCTGCAGGCGTTTAAATGCCAAATTGCCAAACACAATGGATTATGAC
ACGACCAAATTATGTAGTTAA
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Clone variation with respect to NM_199051.1

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_199051 unedited TGTAATACGACTCACTATAGGGCGCCGCGAATTCGGCACGAGGGAAATCCCCAGTGAA GCATGATATGGCGAAGCAGAGCTGGTGCTGAATTGTTCTCTCTGATGGCTCTATGGGAGT GGATAGCACTGAGTCTTCATTGCTGGGTTTTAGCGGTTGCTGCTGTTTCGGATCAGCATG CCACAAGCCCCTTCGACTGGCTCCTCTCTGATAAGGGACCCTTCATCGCTCACAGGAAT ACACAGATTTTGTGGACAGAAGCCGGCAGGGATTTAGCACAAGATACAAGATATACAGGG AGTTTGGCCGCTGGAAAGTAAATAACCTTGCAGTTGAGAGAAGAAATTTCTTGGCTCTC CTCTGCCTCTTGCCCTGAATTCTTCCGCAACATAAGACTTTTGGGACGTCGACCTACCC TTCAGCAAATCACAGAAAACCTTATCAAGAAATATGGGACACATTTCTTGCTATCTGCTA CTCTGGGAGGAGAGGAGTCACTACAATTTTTGTGGACAAGCGGAAGTTGAGCAAACGAG CTGAAGGAAGTGATTCCACCACCAATAGCTCTTCGGTCACTCTGGAGACGCTACATCAGC TAGCCGCTTCTTATTTTCATTGACAGGGACAGCACCTTCGGAGACTTCACCACATTCAA TTGCATCCACTGCCATAAAGGTAACAGAAACACGGACTGGTCTCTTGGCTGCAGTAACT ATGACAACCTAGATTCTGTCAGTTCTGTTCTGGTCAAAGTCTGAGAATAAGATCAGTT GCAAGGGCTTTCAGTACTTCTCCAGACTATCTTCANGAACGTTTTGTACAAGCAGCTTTG AGCTACATTGCTTTGCATCAGAGNAGAAGTTATCTGCAGGGAAATGACTGCTGTGTAC TGTGGTCCAATTTTCAGATGCACTGCCCTCTGGCATT
Restriction Sites:	NotI-NotI
ACCN:	NM_199051
Insert Size:	2300 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:	<u>NM_199051.1</u> , <u>NP_950252.1</u>
RefSeq Size:	2884 bp
RefSeq ORF:	2301 bp
Locus ID:	339479
UniProt ID:	<u>Q76B58</u>
Cytogenetics:	1q31.1
Protein Families:	Secreted Protein

Gene Summary:

This gene is overexpressed in pituitary tumors but is underexpressed in tongue squamous cell carcinomas, ulcerative colitis, and peri-implantitis. Polymorphisms that increase expression of this gene have been shown to increase vascular inflammation, and an association of this gene with myocardial infarction has been demonstrated. Finally, hypermethylation of this gene may find usefulness as a biomarker for gastric cancer. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2015]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).