

Product datasheet for **SC306485**

FAM123C (AMER3) (NM_152698) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	FAM123C
Synonyms:	FAM123C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF:

>SC306485 representing NM_152698.

Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGCTGAAGAGAGGAAAGACCTTCATCAAGTCCAGCCTGCAGGTTTCCACGAGAAACCCAGAC
CCAGCAGCCGTGGCTGCAGCCAGGGAGGGACAGGCCCTGGTCAGTCTTCCAGGAGGGCAACAGAGG
CCCCACAGTGAGAAGGGCCCCAAGCCAGCCCCAGTGCCCAAGAATACGACAGATGCCCAACAAGGG
GCGCAGCTGGACCCAAAGGGGGACCCGACGCCCTCTGTGGAGCCACCTTCAAACCGGTGCGAAAGTGC
AAGACTCACGACAGCATGTCTGGGGCAGGCAGGGCCACGGCTGCCACAGGGCAGCTGGTGGGAGTGCA
AGCTTCCCGGGCTCCCGGGCAGCCGGCGCATGATCGACTACCGCCACTTTGTGCCCCAGATGCCCTTT
GTGCCAGCTGTGGCCAAGAGCATCCCGAGGAAGAGGATTTCCCTGAAGAGGCCCAAGAAGTCTTTTCGG
AACCTATTCCACATTGCGAGAAACAAGACTGAGGACTTGGCCTCGTGGCGGCCGAGGGGAAAGCCTG
CCCTCCCCAGGGGACCCGTGAGACCTGGGGGGCGGCAAGCAAAGCCTTCTCCCCCGGGTGAGGGG
CCGGGGCTGGACGGCTGTGCCAGGACCTGTTGGACAGCGAGCTCTGGCCGATGCATCTTTGGTCTC
TGCAGGGCCCTGTGTGAGGACGTGGCCTCACTCCAGAGCTTCGACTCGCTCACGGGTTGTGGGGAGGTG
TTCGCAGATGAGAGCTCGGTGCCATCTCTGGAGCTGAACGAGGGCCCGGAGAGCCCAACCCAGGCTGCT
CAGGGCCTGGAGAGCAAGGTTCCAGGGGCCCTCTCCAGGGCAGTGTGGAGCAGCTGGCCTCGCCCGCC
CAGAATGAAGCCTCTGACTTCACAGGTTCTGGGACAGTGTGAATCGCTCAGTGCCTCAGCAGCAGCT
GCCCTCCTAGGCCCGTGGCTTTCAAGGCCCCAGGGGACAGACAGGGACCAATCCCGGCTGGACACAGCT
GGGCTCGCTGAGCTGCCCTCTGCCCTGCAGGGACCTCGCAGCGGCTCCAAAGCCAGCTCCATCGAC
ACAGGCACCCCAAGAGCGAGCAGCCGAATCCGTGTCCACAAGTGACGAGGGCTACTATGATTCCTTC
TCGCCAGGACTTGAGGAGGACAAGAAGGAAGCTGAGAGCCAGGCACTCTGCCCCACCTTCCACGG
GACAGCTACAGTGGGGACGCCCTCTACGAGCTTTCACGACCCACGCGAGGGTCTCTTGGCCCCAGC
CCAGATGATGACCTGTGCGTGTCTGAGAGTCTGTGAGGGCCGGCCCTGGGGACGCCACTGTCCATATGC
AGCTTCCGAGTGGGGGCCGAGGAGAACTTGGCCCCAGCAGGCCCTGACCTGCTCAGCCAGGGCTTC
CTACAGAGCTCCTGGAAGGGCAAGGAGTGCCTGCTGAAGCTGTGTGACTGAGCTCGCCATCACCATG
GGCATCGTCAGCTGGCTGCGCCGAGGCCCCACGCCCGTGCCCCACCCCTGGGCAGCCTGACAGCT
CCACCTGGTTCCAGGGAGCCCTAGGGCACCCACAGAGAAGCTGGGGGGCAGGGAGGGCCTGGCCTCA
GATGCAGGGGGGGCGACAGTTTGTGTCAGCACCAGCAGGCAGGAGCTGTGGGCACACCCGGGCACACA
GGCCTGCTCGCCGAGAGAGCAAGGCCCTCGAGGGGCCACACAAGGGACTGGCACACTGTCCAGGGAT
GGCTCTCGAGAGGAAGAGACAGAGGTCACTCTGAAGGCTTGTCTCTCTATGGAGTCTGCAGCCACT
TCGACAACAGATACTTCCGGTAAAAATAAGGCCCCAGTTCTTCTACCTGGCCCTGCTCCCAAGAGGAG
CCTGGGCCACAGGGGTCTGGGGTGTTCGAGGGCCCTGGAGGCCAGGTACGGAGGTGACACTCTG
GATGCAGAGCCCATGCTGGCAGGCTGTGTGGCCGTGTGGCAGCCCTGAAGATCAGCTCAACGAACAG
CCCCCGGCCGCATGGCTCCAAGGCAAGACATGGGCAGTGGGCTCTTTGGGCAGCGCTGGGCCAGGGGC
CCTGACATGCTGGAGCAGAAACAGTCCAGCAGCTCCCCAGCATGACCACCATCCATGGCCTACCTAC
TCAGCCAGCACACAGGACCAGAGGTGTGAGATCGTGTCCAGGACCTGAGCTGGCTCAGGGTGGAGCCC
ACCGGGCTAGGTGTCCAGGCCTGGGCCTCTGTGGAGGACCAGCCCTTGACGCTCAGCACAGAGGCTGTG
GAGCAGGTGGCACACGGCAGCCAGCTGGACTCTGAGCCCCGCTCAGCCCTGCTGCCCGGTGGAGTTCC
CAGGGCCACCATCCAGAAAGCCTGGGCCTCACTTTGAACAGCCAGCAGGAAGGGGGGTCTCTGCAAGT
GCCCCAGAATGCCGCTGCAGCCTCTGGCCCGTGAGGGCCTCTCTGTGGCCAGCCAGAAGTGGGGGC
TCTGGGCCAGCCATGGCTGAGCCCCATCTGTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:

SgfI-MluI

ACCN:

NM_152698

Insert Size:

2586 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:	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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_152698.2</u>
RefSeq Size:	6252 bp
RefSeq ORF:	2586 bp
Locus ID:	205147
UniProt ID:	<u>Q8N944</u>
Cytogenetics:	2q21.1
MW:	90.4 kDa
Gene Summary:	Regulator of the canonical Wnt signaling pathway. Acts by specifically binding phosphatidylinositol 4,5-bisphosphate (PtdIns(4,5)P2), translocating to the cell membrane (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longest transcript.