

Product datasheet for **RG226217**

FAM123C (AMER3) (NM_001105195) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM123C (AMER3) (NM_001105195) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FAM123C
Synonyms:	FAM123C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG226217 representing NM_001105195
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCTGAAGAGAGGAAAGACCTTCATCAAGTCCAGCCTGCAGGTTTCCACGAGAAACCCAGACC
 CAGCAGCCGTGGCTGCAGCCAGGGAGGGGACAGGCCCTGGTCAGTCCTCCAGGAGGGCAACAGAGGCC
 CCACAGTGAGAAGGGCCCCAAGCCAGCCAGTCCCAAGAATACGACAGATGCCCAACAAGGGGCG
 CAGCTGGACCCAAAGGGGACCCGAGCCCTCTGTGGAGCCACCTTCAAACCGGTGCGAAAGTGAAGA
 CTCACGACAGCATGTCTGGGGCAGGCAGGGCCACGGTCCACAGGGCAGCTGGTGGCAGTGAAGCTT
 CCCGGGCTCCCGGGCAGCCGGCGCATGATCGACTACCGCCACTTTGTGCCCCAGATGCCCTTTGTGCCA
 GCTGTGGCCAAGAGCATCCCGAGGAAGAGGATTTCCCTGAAGAGGCCAAGAAGTCTTTCGGAACCTAT
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 AGGGGACCCGTGACACCTGGGGGGCGGGAAGCAAAGCCTTCTCCCCCGGGTGAAGGGCCGGGGCTG
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 TGTGTGAGGACGTGGCCTCACTCCAGAGCTTCGACTCGCTCACGGTGTGGGGAGGTGTTCCGAGATGA
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 CTGACTTACCAGGTTCTGGGACAGTGTGAATCGCTCAGTGCCTCAGCAGCAGCGTGGCCTCCTAGGCC
 GTGGCTTTCAGGCCCCAGGGGACAGACAGGGACCAATCCCGGCTGGACACAGCTGGGCTCGCTGAGCTG
 CCCCTGCCCCGTCAGGGACCTCGCAGCGGCTCAAAGCCAGTCCATCGACACAGGCACCCCAAGA
 GGAGCAGCCCGAATCCGTGTCCACAAGTGAAGGGCTACTATGATTCTTCTCGCCAGGACTTGAGGA
 GGACAAGAAGGAAGCTGAGAGCCAGGACTCCTGCCGCCACCTTCCACGGGACAGCTACAGTGGGGAC
 GCCTCTACGAGCTTCCACGACCCAGCGAGGGTCTCTTGGCCCCAGCCAGATGATGACCTGTGCG
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 CCTCGGAGGGGCCACACAAGGGACTGGCACACTGTCCAGGGATGCCTCTCGAGAGGAAGAGACAGGAGG
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 GAGGACCAGCCCTTGCAGCTCAGCACAGAGGCTGTGGAGCAGGTGGCACACGGCAGCCAGCTGGACTCTG
 AGCCCCGCTCAGCCCTGCTGCCGGTGGAGTTCAGGGCCACCATCCAGAAAGCCTGGCCTCACTTT
 GAACAGCCAGCAGGAAGGGGGGTCTCTGCAAGTGCCCCAGAATGCCGCTGCAGCCTCCTGGCCGTGAG
 GCCTCCTCTGTGGCCAGCCAGAAGTGGGGCCTCTGGCCAGCCATGGCTGAGCCCCATCTG

ACGGTACGGGGCCGCTCGAG - GFP Tag - GTTAA

Protein Sequence: >RG226217 representing NM_001105195
 Red=Cloning site Green=Tags(s)

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MELKRKGTFIKSSLQVSHEKPPDPAAVAAAAREGTGPWSVLPGGQQRPHSEKGPQASPSAQEYDRCPNKG
QLDPKGGPAALCGATFKPVKCKTHDSMSGAGRATAATGQLVGSASFPGSPGSRMIDYRHFVPMFV
AVAKSIPRKISLKRPKKCFRNLFHIRRNKTEDLASLAAEGKSLSPGDPSPGGRRSKAFLPPGEGPGL
DGLCQDLLDSELLADASFGLCRALCEDVASLQSFDSLTCGGEVFADESSVPSLELNEGPESTQAAQGLE
SKVPRGPLQGSVEQLASPAQNEASDFTRFWDSVNRSVRQQRALLGPWLSGPQGTDRDQSRDLTAGLAEL
PLCPCRDPRSGSKASSIDTGTPKSEQPESVSTSDEGYYSFSPGLEEDKKEAESPGTPAATFPRDSYSGD
ALYELFHDPSSEGPLGSPDDDLVSELSGPALGTPLSICFRVGAENLAPAPGPDLLSQGFLQSSWKG
KECLLKLCDTELAITMGI VSWLRRGPTPRAPPTPGQAAPPQSQGAPRAPTEKLGREGLASDAGGATVC
SAPSRQELWAHPGTTGLLAGESKALGGATQGTGTL SRDASREEE TRGHSEGLFSSMESAASTTTDTSKN
KAPVPSTWPCSQKEGPPGVLGCFRGPWRPGHGGDTLDAEMLAGCVARVAALKISSNEQPPAAWPPRQD
MGSGFLGQRWARGPDMLEQKQSSSSPMTTIHGLPYSASTQDQRCRDRVQDL SWLRVEPTGLGVQAWASV
EDQPLQLSTEAVEQVAHGSQLDSEPRSAPAARWSSQGHHPESLGLTLNSQQEGGVSASAPECRCSLLARE
GLLCGQPEVGASGPMAEPHL
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TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_001105195

ORF Size: 2583 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

RefSeq: [NM_001105195.2](#)

RefSeq Size: 6169 bp

RefSeq ORF: 2586 bp

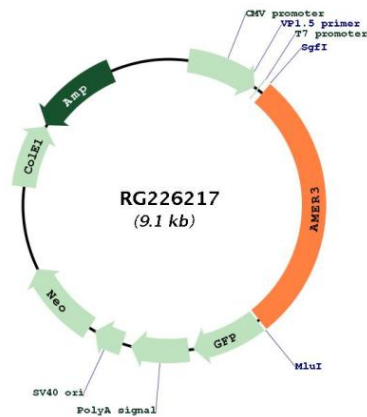
Locus ID: 205147

UniProt ID: [Q8N944](#)

Cytogenetics: 2q21.1

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]

Product images:



Circular map for RG226217