

## Product datasheet for **RC226219**

### FAM123C (AMER3) (NM\_001105193) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FAM123C (AMER3) (NM_001105193) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FAM123C
Synonyms:	FAM123C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC226219 representing NM\_001105193  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGCTGAAGAGAGGAAAGACCTTCATCAAGTCCAGCCTGCAGGTTTCCACGAGAAACCCAGACC  
 CAGCAGCCGTGGCTGCAGCCAGGGAGGGACAGGCCCTGGTCAGTCCTTCCAGGAGGGCAACAGAGGCC  
 CCACAGTGAGAAGGGCCCCAAGCCAGCCAGTCCCAAGAATACGACAGATGCCCAACAAGGGGCG  
 CAGCTGGACCCAAAGGGGACCCGAGCCCTCTGTGGAGCCACCTTCAAACCGGTGCGAAAGTGAAGA  
 CTCACGACAGCATGTCTGGGGCAGGCAGGGCCACGGCTGCCACAGGGCAGCTGGTGGCAGTGAAGCTT  
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 GCTGTGGCCAAGAGCATCCCGAGGAAGAGGATTTCCCTGAAGAGGCCAAGAAGTCTTTCGGAACCTAT  
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 AGGGGACCCGTACAGCCTGGGGGGCGGGAAGCAAAGCCTTCTCCCCCGGGTGAAGGGCCGGGGCTG  
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**ACGGT**ACGGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC226219 representing NM\_001105193  
 Red=Cloning site Green=Tags(s)

MELKRGKTFIKSSLQVSHEKPPDPAAVAAAAREGTGPWSVLPGGQQRPHSEKGPQASPSAQEYDRCPNKGALDLPKGGPAALCGATFKPVRKCKTHDSMSGAGRATAATGQLVGSASFPGSPGSRMIDYRHFVPMFVPAVAKSIPRKRIISLKRPKKCFRNLFHIRRNKTEDLASLAAEGKSLSPGDPSPDGGRRSKAFLPPGEGPGLDGLCQDLLDSELLADASFGLCRALCEDVASLQSFDSLTCGGEVFADESSVPSLELNEGPESTQAAQGLESKVPRGPLQGSVEQLASPAQNEASDFTRFWDVSVNRSVRQQRALLGPWLSGPQGTDRDQPRLDTAGLAELPLCPCRDPRSGSKASSIDTGTPKSEQPESVSTSDEGYDVSFSPGLEEDKKEAESPGTPAATFPRDSYSGDALYELFHDPSEGPLGSPDDDLVCVSELSGPALGTPLSICFRVGAENLAPAPGPDLLSQGFLQSSWKGKECLLKLCDTELAITMGI VSWLRRGPTPRAPPTPGQAAPPGSQGAPRAPTEKLGREGLASDAGGATVCSAPSRQELWAHPGTTGLLAGESKALGGATQGTGTL SRDASREEETRHSSEGLFSSMESAATSTTDTSGNKAPVPSTWPCSQKEPVPVGLGCFRGPWRPGHGGDTLDAEMLAGCVARVAALKISSNEQPPAAWPPRQDMGSGFLGQQRWARGPDMLEQKQSSSSPMTTIHGLPYASTQDQRCRDRVQDL SWL RVEPTGLGVQAWASVEDQPLQLSTEAVEQVAHGSQLDSEPRSAPAARWSSQGHHPESLGLTLNSQQEGGVSASAPECRCSLLAREGLLCGQPEV GASGPMAAEPHL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

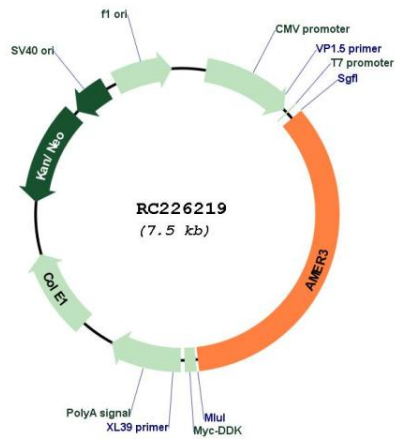
SgfI-MluI

Cloning Scheme:



<b>ACCN:</b>	NM_001105193
<b>ORF Size:</b>	2583 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001105193.1</a> , <a href="#">NP_001098663.1</a>
<b>RefSeq ORF:</b>	2586 bp
<b>Locus ID:</b>	205147
<b>UniProt ID:</b>	<a href="#">Q8N944</a>
<b>Cytogenetics:</b>	2q21.1
<b>MW:</b>	90.3 kDa
<b>Gene Summary:</b>	Regulator of the canonical Wnt signaling pathway. Acts by specifically binding phosphatidylinositol 4,5-bisphosphate (PtdIns(4,5)P <sub>2</sub> ), translocating to the cell membrane (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC226219