

Product datasheet for **SC313972**

FAM123A (AMER2) (NM_199138) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM123A (AMER2) (NM_199138) Human Untagged Clone
Tag:	Tag Free
Symbol:	FAM123A
Synonyms:	FAM123A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC313972 representing NM_199138.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGAGACGAGCCGAGCCGCGCGCGCGGGGCTGTACGAGAGCGCGCGGAGCTGGCGCGTCCGTG
GGGGTCTGCAGGAGGAAGCGGAGCGCGGGCCGGGACCCTCGCGGCAGACATGGACTTGCAT
TGTGACTGTGCCCGGAAACGCCGCGCGGAGCCGCGTGGGGAAGATTAAATAAGCTGCCTTCAA
TTATTCAGAAGAGGAAATCGGGTGGCACCATGCCAGCATTTTTGGGGTCAAAAACAAAGGGGACGGG
AAAAGCTCGGGTCCGACGGGGCTGGTGAGGAGCAGGACCCACGACGACTTGCCGAGGTGCTGGTCTG
GAGAGCGGCAGGAAGGAGGAGCCGCGCGCGGGGCGACAGCGCGGGGCGCGGGGGCGGCCGAAC
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GACGCCCCCGGAGACCCAGCAGGCTGTGGAGATATTATTCAGACCAAGAGGAAGAGGCAGGTCCCAGC
TGTGACAAGCATGTCCCGGGCCAGGCAAGCCGGCTCTGTCTAAAAAGAACCCCGCGTGGTGGCTAC
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GTCAAGCGCAGGAGGCTCAACCGGATTCCTATCGAGCCCATCTAAGGAGGAGCCCAAGCACCCGGAG
AAGGAGCAGCAGGAAGGCGTCCCAACAGCGACGAGGGCTACTGGGACTCCACCACGCCAGGCCAGAG
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TCCCTGTCCCGTTAAAGCCCGTATCTCCAGGCACCATCACCTGTCCACTGCGAACACAGGCAGCTTG
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CACCAGCAACCTCCAGGAGTGAGATGCCAGAACAAAATCCCGGTTTCCAAAGTGCTGGTCCGAGAG
GTCAGCAACCGGGGCTTGGCTGGGACCACCATCAGAGCAACGGCTGCCACGACAGTGCCAAAAAGTTG
TGA
AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGAT
ATCCTGGATTACAAGGATGACGACGATAAGGTTTAA
  
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Restriction Sites: Sgfl-RsrII

ACCN: NM_199138

Insert Size: 1659 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:	<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_199138.2</u>
RefSeq Size:	9953 bp
RefSeq ORF:	1659 bp
Locus ID:	219287
UniProt ID:	<u>Q8N7J2</u>
Cytogenetics:	13q12.13
MW:	57.6 kDa
Gene Summary:	<p>Negative regulator of the canonical Wnt signaling pathway involved in neuroectodermal patterning. Acts by specifically binding phosphatidylinositol 4,5-bisphosphate (PtdIns(4,5)P2), translocating to the cell membrane and interacting with key regulators of the canonical Wnt signaling pathway, such as components of the beta-catenin destruction complex. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) is spliced compared to variant 1 and encodes a shorter isoform (2), which lacks an internal protein segment, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>