

## Product datasheet for **SC318138**

### **FAM123A (AMER2) (NM\_152704) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	FAM123A (AMER2) (NM_152704) Human Untagged Clone
Tag:	Tag Free
Symbol:	FAM123A
Synonyms:	FAM123A
Vector:	<u>pCMV6 series</u>



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<b>Fully Sequenced ORF:</b>	<p>&gt;NCBI ORF sequence for NM_152704, the custom clone sequence may differ by one or more nucleotides</p> <pre> ATGGAGACGAGCCGAGCCGCGGCGGGGCTGTCTCAGCAGCGCGGCGGAGCTGGC GCGTCCGTGGGGTCTGCAGGAGGAAGCGGAGCCGGGGCCGGGACCGGGACCTCGCG GCAGACATGGACTTGCTTGTGACTGTGCCGCCGAAACGCCGCCGCGGAGCCGCCGTCG GGGAAGATTAATAAGCTGCCTTCAAATTATTCAAGAAGAGGAAATCGGGTGGCACCATG CCCAGCATTTTTGGGGTCAAAAACAAAGGGGACGGGAAAAGCTCGGGTCCGACGGGGCTG GTGAGGAGCAGGACCCACGACGGACTTGCCGAGGTGCTGGTGCTGGAGAGCGGCAGGAAG GAGGAGCCGCGCGGGGGGCGACAGCGCGGGGGCGGGGGGGCGGCCGAACCGGGG CCCCCAGAGCCGAGGGCCCGGCGGGGCTCCCTCGCCAGCAGCTCGGTGGCAAGTCG CACAGTCTCTTCTCGTCTGAAGAAGAACGGGCGCTCGGAAAACGGCAAGGAGAGCCT GTGGACGCGAGCAAGGCCGGCGGCAAAACAAAGCGGGGGTGTGGGGGCTGTTACGCGC ATGCGCTGGCACAGGAAGACAAGCGGGCAAGCGGAGGCCGCGGAGGGGCGCGCGCC GGGGGCGGCTTGATCCTACCGGCTCGCTACCGCCAGCCTGGAGTGCCTCAAGGAGGAG ACGCCCAGAGCCGCGCGGAGCCGAGGAGCCAGCCAGGACGCCCCGCGAGACCCAGCA GGTGAGCCCGCAGGGGGAGAGGAGGTGCCGCCCGCCGACCGCGCCAGCGCGGAGC TGCCGAGAGGCAGAGGGCTCGCGCACCCCGGCGACACCGGCGCCCGGGGAGAGGACGCC GCGGGGATCGGCGCGCCGAGCCGGGGCCCGGGGAGGTCCGCACGGCAGAGGACGCTTCC AGGACGGGGGCGCTTCCCGTAAAGACGGTCCCCCTTGTGACTCCGAAGCGGCAGCGGC CGGGCGCCCGCCGCCAGACCTGCCTCTGTGATCCACCTCAGACCCGTGCGCAGAT CGTATTTGTTGATGTTTTCTGACGTGACTTCACTGAAAAGCTTTGACTCTTTACAGGC TGTGGAGATATTATTCAGACCAAGAGGAAGAGGAGGTCAGCTGTGACAAGCATGTC CCCGGGCCAGGCAAGCCGGCTCTGTCTAAAAAGAACCCCGGCGTGGTGGCCTACCAAGGA GGCGGGGAAGAGATGGCCAGCCCGGACGAGGTGGACGACACCTATCTACAGGAGTTCTGG GACATGCTCTCCAGACCGAGGAGCAGGACCCGAGCCCGAGAGGGCGCGGCTAAGGTG GCAGCTGCGCTGGAACCAAGGTGGTGCCCGAGACCCCAAGACACAGGTGTGTGAA GCGGCCAAGGACGCGTCTCGGTCAAGCGCAGGAGGCTCAACCGGATTCCCATCGAGCCC CATCTAAGGAGGAGCCCAAGCACCCGAGAGGAGCAGCAGGAAGGCGTCCCCAACAGC GACGAGGGCTACTGGGACTCCACCAGCCAGGCCAGAGGAAGACAGCTCGAGCAGCGGG AAGAAGGCGGGCATCCCCGGGATAGCTACAGCGGGGACGCGCTCTATGATCTCTATGCT GACCCGAGCGGAAGTCCAGCAACCTTCTTGAGGGAAGGACAACGAGGAGAGCTCTCC CTGTCCCGGTTAAAGCCCGTATCTCCAGGCACCATCACCTGTCCACTGCGAACACCAGGC AGCTTGCTGAAGGACTCTAAGATCCCTATTAGCATCAAGCACCTGACCAACCTTCCATCT AGCCATCCCGTGGTGCACCAGCAACCTCCAGGAGTGAGATGCCAGAACAAAAATCCCG GTTTCCAAAGTGCTGGTCCGAGAGTCAGCAACCGGGGCTTGGCTGGGACCACCATCAGA GCAACGGCCTGCCACGACAGTGCCAAAAAGTTG </pre>
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_152704
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<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>	<u>NM_152704.2, NP_689917.2</u>
<b>RefSeq Size:</b>	3198 bp
<b>RefSeq ORF:</b>	2016 bp
<b>Locus ID:</b>	219287
<b>UniProt ID:</b>	<u>Q8N7J2</u>
<b>Cytogenetics:</b>	13q12.13
<b>Gene Summary:</b>	<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.</p> <p>[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents an unspliced transcript that encodes the longer 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> <p>##RefSeq-Attributes-START## RefSeq Select criteria :: based on manual assertion, conservation, longest protein ##RefSeq-Attributes-END## COMPLETENESS: complete on the 3' end.</p>