

Product datasheet for **SC100633**

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:	AMER2
Synonyms:	FAM123A
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



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Fully Sequenced ORF: >NCBI ORF sequence for NM_152704, the custom clone sequence may differ by one or more nucleotides

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ATGGAGACGAGCCGGAGCCGCGGCGGGCGGGCTGTCAGCGAGCGCGGGAGCTGGCGCGTCCGTGG
GGTCTGCAGGAGGAAGGCGGAGGCGGGCCGGGACCGGGACCCTCGCGGCAGACATGGAATTGCATTG
TACTGTGCCCGAAACGCGCCGCCGAGCCCGTGGGGAAGATTAATAAAGCTGCCTTCAAATTA
TTCAAGAAGAGGAAATCGGGTGGACCATGCCAGCATTGTTGGGGTCAAAAACAAAGGGGACGGGAAAA
GCTCGGGTCCGACGGGGCTGGTGAAGAGCAGGACCCACGACGGACTTGCCGAGGTGCTGGTGGAGAG
CGGCAGGAAGGAGGAGCCGCGCGGGCGGGGCGACAGCGCGGGGGCGGGGGGGCGCCGAACCCGGGG
CCCCCAGAGCCGAGGGCCCGCGGGGGCTCCCTCGCCAGCAGCTCGGTGGCAAGTCGACAGCTTCT
TCTCGTGTGAAGAAGAACGGGCGCTCGGAAAACGGCAAGGGAGAGCCTGTGGACGCGAGCAAGCCGG
CGGCAACAAAAGCGGGGGCTGCGGGGGCTGTTACGCGCATGCGCTGGCACAGGAAAGACAAGCGGGCC
AAGGCGGAGGCCGCGGAGGGGCGCGCCCGGGGGCGGCTTGATCCTACCCGGCTCGCTACCCGCCAGCC
TGGAGTGCCTAAGGAGGAGACCCAGAGCCGCGCGAGCCGGAGGAGCCAGCCAGGACGCCCGCGG
AGACCCAGCAGGTGAGCCCGCAGGGGGAGAGGAGGTGCCCGCCCGCCGACCCGCGCCAGCGCGGAGC
TGCCGAGAGGCAGAGGGCTCGCGCACCCCGGGCAGACCCGGCGCCCGGGGAGAGGACGCCGCGGGGCATC
GGCGCGCCGAGCCGGGGCCCGGGGAGGTCCGCACGGCAGAGGACGCTTCCAGGACGGGGCCGTTCCCGT
AAAGACGGTCCCCCTTGTGACTCCGAAGGCGGAGCGCCGGGGCGCCCGCCCGCCAGACCCCTGCCTCT
GTCGATCCACCCTCAGACCCGTGCGCAGATCGTATTTGTTTGTGTTTCTGACGTGACTTCACTGAAAA
GCTTTGACTCTTTACAGGCTGTGGAGATATTATTCAGACCAAGAGGAAGAGGCAGGTCCCAGCTGTGA
CAAGCATGTCCCAGGGCCAGGCAAGCCGGCTCTGTCTAAAAGAACCCTGGCGTGGTGGCCTACCAAGGA
GGCGGGGAAGAGATGGCCAGCCGGAGGTGGACGACACCTATCTACAGGAGTCTGGGACATGCTCT
CCCAGACCGAGGAGCAGGGACCCGAGCCCGAGGAGGGCGGGCTAAGGTGGCAGCTGCGCTGGAACCAA
GGTGGTCCCGAGACCCCAAAGACACCAGGTGTGGAAGCGGCAAGGACGCGTCTCGGTCAAGCGC
AGGAGGCTCAACCGGATTCCCATCGAGCCCATCCTAAGGAGGAGCCAAAGCACCAGGAGAGGAGCAGC
AGGAAGGCGTCCCAACAGCGACGAGGGCTACTGGGACTCCACCAGCCAGGCCAGAGGAAGACAGCTC
GAGCAGCGGGAAGAAGGCGGGCATCCCCGGGATAGCTACAGCGGGGACGCGCTCTATGATCTCTATGCT
GACCCGGACGGAAGTCCAGCAACCTTCTGGAGGGAAGGACAACGAGGAGACGCTCTCCTGTCCCGGT
TAAAGCCCGTATCTCCAGGACCATCACCTGTCCACTGCGAACACCAGGACGCTTGTGAAGACTCTAA
GATCCCTATTAGCATCAAGCACCTGACCAACCTTCCATCTAGCCATCCCCTGGTGCACCAGCAACCTCC
AGGAGTGAGATGCCAGAAACAAAATCCCGGTTTCCAAAGTGCTGGTCCGAGAGTCAGCAACCGGGGCT
TGCTGGGACCACCATCAGAGCAACGGCCTGCCACGACAGTGCCAAAAAGTTGTGA
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_152704 unedited

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TGTATACGACTCCTATAGGGCGGCCGCGATTCCGCACGAGGGCAGGAGGAAGGCGGAGGC
CGGGGCCGGGACCGGGACCCTCGCGGCAGACATGGAATTGCATTGTGACTGTGCCCGCA
AACGCCGGCCCGGAGCCCGTCCGGGAAGATTAATAAAGCTGCCTTCAAATTATTCAA
GAAGAGGAAATCGGGTGGCACCATGCCAGCATTGTTGGGGTCAAAAACAAAGGGGACGG
GAAAAGCTCGGGTCCGACGCGGGCTGGTGAAGAGCAGGACCCAGCAGGACTTGCCGAGGT
GCTGGTGTGAGAGCGGCAGGAAGGAGGAGCCGCGCGGGGGCGACAGCGCGGGGG
CGGCGGGGGCGGCCGAACCCGGGGCCCCCAGAGCCGACAGGGCCCGCGGGGGCTCCCT
CGCCAGCAGCTCGGTGGCCAAGTCGACAGCTTCTTCTCGTGTGAAGAAGAACGGGCG
CTCGGAAAACGGCAAGGGAGAGCCTGTGGACGCGAGCAAGGCCGGCGGCAACAAAAGCG
GGGGCTGCGGGGGCTGTTACGCGCATGCGCTGGCACAGGAAAGACAAGCGGGCAAGGC
GGAGGCCGCGNGAGGGGCGCGCCCGNGGCGGGCTTGATCCTACCCGGCTCGCTCACC
GCCAGCCTGGAGTGCCTCAAGGGAGGAGACGCCAGAGCCGCGCGGNAGCCGGAGAGCC
CAGCCAGGACGCCCGCGAGACCCANNCAGTGACCCGCGAGGGNNNANNGAAGAGGNGC
CCGCCCCCGGCGACCCGCGCCAGNGCGGAGCTGCCGAAGGGAAGGCTTNGCGCAC
CCCGGGACACGCGCCCGNGGGGAGAGACCCCGCGGG
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_152704 unedited GGAAATACTATGTACCGCGGCNCGCATTTCTANGATCGAGTTTTTTTTTTTTTTTGTTTAA CTGGAAAGGAAAGAGGAAAGAAGGGAAGGAAGGAAACGTGTCTTGAAGAGGAGATCTCC TCTGGTTCTTCAGCGGTTCCCTCAGGCCTCTAGACACTGGCTTATCCCAATATCCAGGCA TGACTCTTACTTAGGTTTGGCTAAGTTCTGTTTTCTGCAAAGGCAAGTAAAGTGACTTC CAAGTGTTTCAGTATATTAAGCAAAGGAAAGAAAACTTAAAGGTAAGAAAAAGAAAAAGT GCTTGAAAATAATTCTCAGGGACTTATCTTGAGAGGAGAAACCCCGTGTAGCATCCCTC TTTCTGGTGTTATCCGGTCCCTGCTCAGGGCACAAAGACCTCCTCGGTCCACGCTCGGA GCAGGGCGGGGACGGGTGGTGTCTTAAAGACTTTCTTAGGAAAAGCAAAGTAACTTACTT TAGTGGTTTCCAGGAAAAGTTGATTCCCTTGGCATGGGGCCATCCACCTTGGCCTGGA AGACCTCACAACCTTTTGGCACTGTCGTGGCAGGCCGTTGCTCTGATGGTGGTCCAGCC AAGCCCGGTTGCTGACTCTGCGGACCAGCACTTGGAAACGGGATTTTGTCTGGGC ATCTACTCCCTGGAGGGTGTGGTGCACCAACGGGATGGCTAAATGGAAAGTTGGTCAA GTGCTTGATGCTATAAGGATCTTAAAGTCTTACAAGCTGCCTGGTGTTCGCACTGGAC AGGTGAGGGGCTGGAGATACGGCTTTAACGGGGACGGGAAGACGTCTCTCGTGCCTT CCCTCCAGAAGTTGCTGGACTTCTCCGGTCAACAAAAATATAAACGCGCCCCC
Restriction Sites:	NotI-NotI
ACCN:	NM_152704
Insert Size:	2500 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).
RefSeq:	NM_152704.1 , NP_689917.1
RefSeq Size:	10619 bp
RefSeq ORF:	1779 bp
Locus ID:	219287
UniProt ID:	Q8N7J2
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 (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. ##RefSeq-Attributes-START## RefSeq Select criteria :: based on manual assertion, conservation, longest protein ##RefSeq-Attributes-END## COMPLETENESS: complete on the 3' end.</p>