

Product datasheet for **SC318516**

FAM123B (AMER1) (NM_152424) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: FAM123B (AMER1) (NM_152424) Human Untagged Clone
Tag: Tag Free
Symbol: AMER1
Synonyms: FAM123B; OSCS; WTX
Vector: pCMV6 series
Fully Sequenced ORF: >NCBI ORF sequence for NM_152424, the custom clone sequence may differ by one or more nucleotides

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ATGGAGACCCAAAAGGATGAAGCTGCTCAGGCCAAGGGAGCTGCAGCCTCTGGGAGTACC
CGTGAACAAACAGCAGAAAAAGGAGCCAAGAACAAGGCAGCTGAGGCGACAGAAGGACCA
ACCTCAGAGCCATCCTCATCCGGCCAGGTAGGCTGAAGAAAAGTCCATGAAACTCTTT
GGTGGCAAGAAGGGTATCTGTACTCTGCCTAGTTTCTTTGGAGGGGGACGGAGCAAAGGT
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CCTGAGTTACCCTGCCAATTTCCAGCTCTCAGAGTGCCCATGGGGCTTTGGAGACAGGC
TCCAGATGTAAGACATCTGTGGCTGGAGCCACAGAGAAAGCTGTGGCTGAGAAGTTTCCC
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CCCATGGAGGCCCTGTGCCTCAGCACATGTGCAACCCAAGCCTGCCCTGAAGCCAGTAGC
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TGCCTGGTACCTACCAAGGAGGTGGGGAGGAGATGGCCTTGCCAGATGATGATGACGAG
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GATGATTCAGGTGAGGCCTGGGGCTTGTCCGAGGGATTGTCTACCCCGAGACAGCTAC
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GGAGATGACTGCCTTTATGACCTCCATGGTCTGAAGCTCTGAGATGTTTGACCCCTTCTTA
AACTTTGAGCCCTTTTGTCTCCCGCCACCTGGGGCAATGGAGACAGAGGAAGAACGG
CTAGTGACCATCCAGAAACAGTTGTTGATTGGGAGCTTCGGCGGGAGCAGCTTGAGGCC
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CAGGAGGCACGTGCCCGAGAAGCTCATGCCAGGGAGGCCACGCCAGGGAGGCCTATACT
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 AGGGAGGCCAGAACCCGAGAAGCCAGGCCCGAGAGGTTTCGTTGTAGAGAGACTCAAGTC
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 CGACCTCCACCTGCTGCTATGGCCCTCAACAGGAGAAGCCGCTCTCTCGACACTGCAGAG
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 ATGTCAATATCACTATCAGTGCCAGAGTCAAGGGCACCTGGGGAATCTGGGCCTCAACTA
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 TCTTCCAGTTCTGGAGGCTTCCAGCCAGCCCTTACCACAGGCCAAGCCTGTGGGCATC
 ACCCATGGCATTCTCAGCTGCCAGGGTCCGGCCTGAGCACCCCAAGCCTCAGCCCACT
 CACTATGGGCCTTCCAGCCTTGACCTGTCAAAGGAGAGGGCTGAGCAAGGTGCCTCTCTT
 GCCACCAGCTACTCTCCACTGCCATGAATGGAAACCTAGCCAAG

- Restriction Sites:** Please inquire
- ACCN:** NM_152424
- 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:**
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_152424.3](#), [NP_689637.3](#)

RefSeq Size: 8443 bp

RefSeq ORF: 3408 bp

Locus ID: 139285

UniProt ID: [Q5JTC6](#)

Cytogenetics: Xq11.2

Gene Summary: The protein encoded by this gene upregulates transcriptional activation by the Wilms tumor protein and interacts with many other proteins, including CTNNB1, APC, AXIN1, and AXIN2. Defects in this gene are a cause of osteopathia striata with cranial sclerosis (OSCS). [provided by RefSeq, May 2010]