

## Product datasheet for **SC322209**

### **FAM50B (NM\_012135) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	FAM50B (NM_012135) Human Untagged Clone
Tag:	Tag Free
Symbol:	FAM50B
Synonyms:	D6S2654E; X5L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for SC322209  
 GGCTGTGCGAGAGCCCGGGGCGAGTGGGCCTCTGCTCGTGGGTGGTTCCTCGTGGAGGTC  
 AGCTCCCCTGTCTCCGCTCGACAGGGTGCTTGGGCAGAGCCATCGGGTAGGCGCGGG  
 CCATGGCGCAGTACAAGGGCACCATGCGCGAGGCGAGGCCGTGCCATGCACCTCCTCAAGA  
 AGCGCGAAAGGCAGCGGGAGCAGATGGAGGTGCTGAAGCAGCGCATCGCCGAGGAGACCA  
 TCCTCAAGTCGCAGGTGGACAAGAGGTTCTCGGCGCATTACGACGCCGTGGAGGCCGAGC  
 TGAAGTCCAGCACGGTGGGCCTGGTGACCCTGAACGACATGAAGGCCCGCAGGAGGCC  
 TGGTCAGGGAGCGAGCGGCAGCTGGCCAAGCGCCAGCACCTGGAGGAGCAGCGGCTGC  
 AGCAGGAGCGGCAGCGGGAGCAGGAGCAGCGGCGCAGCGCAAGCGTAAGATCTCCTGCC  
 TGTCTTTGCACTAGACGACCTCGATGACCAGGCCGACGCGGCCGAGGCCAGGCGCGCCG  
 GAAACCTGGGCAAGAACCCCGACGTGGACACCAGCTTCTGCCAGACCGCGACCGCGAGG  
 AGGAGGAGAACC GGCTCCGAGAGGAGCTGCGCCAAGAGTGGGAGGCGCAGCGGAGAAAAG  
 TGAAGGACGAGGAGATGGAGGTACCTTACGCTACTGGGACGGCTCGGGCCACCGGCGCA  
 CGGTGCGGGTGC CAAGGGCAACACGGTGCAGCAGTTCCTGAAGAAGGCGCTGCAGGGGC  
 TGGCAAGGACTTCTGGAGCTGCGCTCCGCCGGCGTGGAGCAGCTCATGTTTCATCAAGG  
 AGGACCTCATCTGCCGACTACCACACCTTCTACGACTTCATCATCGCCAGGGCGAGGG  
 GCAAGAGCGGGCCGCTCTT CAGCTTCGATGTGCACGATGACGTGCGCCTGCTCAGCGACG  
 CCACCATGGAGAAGGACGAGTGCACGCGGGCAAGGTGGTGTGCGCAGCTGGTACGAGA  
 AGAACAAAGCACATCTTCCCCGCCAGCCGCTGGGAGGCCTATGACCCCGAGAAGAAGTGGG  
 ACAAGTACACCATCCGCTAACACCCGCCTGCCAGAGCGGAAACCGGGGTGGGGGAGAC  
 ACTCATTTCTAGGCCCATCACCAGTCACTTGATTTCTGTACCTTGATTTCTTCCCCAA  
 ATTTAATAAAGACAGAGGGTTCTCATGATTCACATTGGTTGTGCTATTGCTGATGTTATG  
 CTTTGGTTGCTTGGTTGGTCTTTTCTGAGTATTTAGTGTGGCCACCTGGATTGTGCA  
 TTGCTCTGCTGAGCTGTATTGAAACCATGACTGGGCCACTGTCAGACAGAAATAGAAT  
 AGGAGGCACATTTTTTACCTGGTGGTTATGAGCATGGACTTGGGGCCACAGTACTGAG  
 TTTGATTTCCGACACAGCCTCCTCTTGTGTGTAGTTTTGGTAAGCTTATAAACCC  
 CATGCCTCAGTTTGGTCACTGTAAAAGGAAATAACAAGGCACTTACTTTATAAGATTG  
 ATGTGAGTATTAAGTGAATTAATTTGTAAAACGCTTAGCTCTAATAAATGTTTCTGT  
 TCTTATAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_012135

**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\\_012135.1](#), [NP\\_036267.1](#)

**RefSeq Size:** 1618 bp

**RefSeq ORF:** 978 bp

**Locus ID:** 26240

**UniProt ID:** [Q9Y247](#)

**Cytogenetics:** 6p25.2

**Domains:** XAP5

**Gene Summary:** This gene contains an intronless ORF that arose from ancestral retroposition. The encoded protein is related to a plant protein that plays a role in the circadian clock. This gene is adjacent to a differentially methylated region (DMR) and is imprinted and paternally expressed in many tissues. [provided by RefSeq, Nov 2015]