

## Product datasheet for SC115529

### 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: | None  |
| Vector:                   | <u><a href="#">pCMV6-XL5</a></u>  |
| E. coli Selection:        | Ampicillin (100 ug/mL)  |
| Fully Sequenced ORF:      | >OriGene ORF within SC115529 sequence for NM_012135 edited (data generated by NextGen Sequencing) |

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ATGGCGCAGTACAAGGGCACCATGCGCGAGGCAGGCCGTGCCATGCACCTCCTCAAGAAG
CGCGAAAAGGCAGCGGGAGCAGATGGAGGTGCTGAAGCAGCGCATCGCCGAGGAGACCATC
CTCAAGTCGCGAGGTGGACAAGAGTTCTCGGCGCATTACGACGCCGTGGAGGCCGAGCTG
AAGTCCAGCACGGTGGGCTGGTACCCTGAACGACATGAAGGCCCGGCAGGAGGCCCTG
GTCAGGGAGCGCGAGCGGCAGCTGGCCAAGCGCCAGCACCTGGAGGAGCAGCGGCTGCAG
CAGGAGCGGCAGCGGGAGCAGGAGCAGCGGCGCGAGCGCAAGCGTAAGATCTCCTGCCTG
TCCTTTGCACTAGACGACCTCGATGACCAGGCCGACGCGGCCGAGGCCAGGCGCGCCGA
AACCTGGGCAAGAACCCCGACGTGGACACCAGCTTCTGCCAGACCGCGACCGCGAGGAG
GAGGAGAACCGGCTCCGAGAGGAGCTGCGCCAAGAGTGGGAGGCCAGCGCGAGAAAGTG
AAGGACGAGGAGATGGAGGTCACCTTACGCTACTGGGACGGCTCGGGCCACCGGCGCACG
GTGCGGGTGCAGCAAGGGCAACACGGTGCAGCAGTTCTGAAGAAGGCGCTGCAGGGGCTG
CGCAAGGACTTCTGGAGCTGCGCTCCGCCGGCGTGGAGCAGCTCATGTTTCATCAAGGAG
GACCTCATCTGCCGCACTACCACACCTTCTACGACTTCATCATCGCCAGGGCGAGGGGC
AAGAGCGGGCCGCTTTTCAGCTTCGATGTGCACGATGACGTGCGCCTGCTCAGCGACGCC
ACCATGGAGAAGGACGAGTCGCACGCGGGCAAGTGGTGTGTCGCGAGCTGGTACGAGAAG
AACAAAGCACATCTTCCCCGCGAGCCGCTGGGAGGCCTATGACCCCGAGAAGAAGTGGGAC
AAGTACACCATCCGCTAA
  
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Clone variation with respect to NM\_012135.1



[View online »](#)

|                                     |  |
|-------------------------------------|--|
| <b>5' Read Nucleotide Sequence:</b> | <p>&gt;OriGene 5' read for NM_012135 unedited<br/> GTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGCGAGTGGGCCTCTGCT<br/> CGTGGGTGGTTCTCGTGGAGGTCACTCCCGCTGTCTCCGCTCGACAGGGTGTGGGC<br/> AGAGCCCATCGGGTAGGCGCGGGCCATGGCGCAGTACAAGGGCACCATGCGCGAGGCAGG<br/> CCGTGCCATGCACCTCTCAAGAAGCGCGAAAGGCAGCGGGAGCAGATGGAGGTGCTGAA<br/> GCAGCGCATCGCCGAGGAGACCATCCTCAAGTCGAGGTGGACAAGAGGTTCTCGGCGCA<br/> TTACGACGCCGTGGAGGCGAGCTGAAGTCCAGCACGGTGGGCCTGGTGACCTGAACGA<br/> CATGAAGGCCCGCAGGAGGCCCTGGTCAAGGAGCGCGAGCGGCAGCTGGCCAAGCGCCA<br/> GCACCTGGAGGAGCAGCGGCTGCAGCAGGAGCGGCAGCGGGAGCAGGAGCAGCGCGCGA<br/> GCGCAAGCGTAAGATCTCCTGCCTGTCTTTGCACTAGACGACCTCGATGACCAGGCCGA<br/> CGCGGCCGAGGCCAGGCGCGCGGAAACCTGNGCAAGAACCCCGACGTGGACACCAGCTT<br/> CCTGCCAGACCGCAGCCGCGAGGAGGAGGAGAAACCGCTCCGAGAGGAGCTGCGCAAGA<br/> GTGGGAGGCGCAGCGCGAAGTGAAGGACGAGGAGATGGAGGTCACCTTCAGTACTG<br/> GGACGGCTCGGGCCACCGCGCACGGTGCGGGTGCGCAAGGGCACACGGTGCANCAGNTC<br/> CTGAAAAAGGCGCTGCAGNGCTGCGCAGGACCTCCTGGNAGCTGCGCTCGNCGGCGTGG<br/> AGCAGCTCATGTNCATCAAGNAGACCTNATNCTGNCNACTACACAACCTTTACGACTT<br/> ATNATCGNCAAGCGAGGGCAAGAGCGGGCCGTCTTCACT</p>                       |
| <b>3' Read Nucleotide Sequence:</b> | <p>&gt;OriGene 3' read for NM_012135 unedited<br/> CCGCAATCTAGAGTCGAGNNNTNTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAA<br/> CAACAGAAACATTTATTAAGTAAGCGTTTTACAAATATTAATCACTTAATACTCAC<br/> ATCAATCTTATAAAGGAAGGCTCTTGTATTTCTTTTACAGGGACCAAACCTGAGGCA<br/> TGGGGTTTAATAAGCTTACCCAAAACACACAGCAAGGAGGAGCTGTGTCGGAATCA<br/> AACTCAGTCACTGGGGCCCAAGTCCATGCTCATAACCACCAGGTAAAAATGGCCCTC<br/> CTATTCTAATTTCTGTCTGACAGTGGGCCAGTCATGGTTTCAATACAGCTCAGCAAAGC<br/> AATGCAGCAATCCAGGTGGCAACTAAAATACTCAAAAAAGACCAACCAAGCAACCA<br/> AGCATAACATCAGCAATAGCACAACCAATGGGAATCATGAAAACCTCTGTTTTTATTA<br/> ATTGGGGGAAAAAATCAAGGTCAAAAATCAAGTGACTGGGGATGGGGCCTAAAAATGA<br/> GTGTCTCCCCCACCCTGTTTTCTGTTCTGGCAGGCGGGTGTAGCGGATGGTGTACTT<br/> GTCCCCACTTTTTCGGGTAATAGCCCCCAGCGGTTGGCGGAAAAATGTCCTTGTTT<br/> TTCTCGACCAATGCGCAACACCACCTGCCCGGGTGCATTCGCCTTTCTCATGGTGGC<br/> GCCGTTGCACAAGCCCCCTCCCCTGCCCTTAAACTAAGCAGCGGCCCTTTCCCCT<br/> CCCCCTGGCGAAAAAACACCCAAAACGGGGTAAAGCCGTAATACACCGCCCTCTCTTA<br/> CAACCCACTTTCTACCCGGGGACCCCCCAAAAATCTCTCCACCCCGTAAGCGCTCC<br/> CACAAATCGCACCTGTTTTCTTGCCCAATACCGCCGGGCTATCTATCCAGCTGAATGC<br/> CATCCATCAACCCTCATCG</p> |
| <b>Restriction Sites:</b>           | NotI-NotI  |
| <b>ACCN:</b>                        | NM_012135  |
| <b>Insert Size:</b>                 | 1650 bp  |
| <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>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).   |

**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]