

## Product datasheet for **SC117205**

### **FAM50A (NM\_004699) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	FAM50A (NM_004699) Human Untagged Clone
Tag:	Tag Free
Symbol:	FAM50A
Synonyms:	9F; DXS9928E; HXC-26; HXC26; MRXSA; XAP5
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_004699, the custom clone sequence may differ by one or more nucleotides

```
ATGGCTCAATACAAGGGCGCCGCGAGCGAGGCCGCGCCGATGCACCTGATGAAGAAGCGGGAGAAGC
AGCGCGAGCAGATGGAGCAGATGAAGCAGCGCATCGCGGAGGAGAACATCATGAAATCCAACATTGACAA
GAAGTTCTCTGCGCACTACGACGCGGTGGAGGCAGAGCTCAAGTCCAGCACCGTGGGTCTCGTGACCCTG
AATGACATGAAGCCAAGCAGGAGGCTCTGGTGAAGGAGCGGGAGAAGCAGCTGGCCAAGAAGGAGCAGT
CCAAGGAGCTGCAGATGAAGCTGGAGAAGCTTCGAGAGAAGGAGCGTAAGAAGGAAGCCAAGCGGAAGAT
CTCCAGCCTGTCCTTACCCTGGAGGAGGAAGAAGAGGGAGCGAGGAGGAAGAGGAGGCGGCCATGTAT
GAGGAGGAGATGGAAGGGAAGAGATCACACGAAGAAGAGAAAAGTGGGGAAGAACCCAGACGTTGACA
CAAGCTTCTTGCCTGATCGAGACCGTGAGGAGGAGGAGAATCGGCTTCGGGAAGAGCTGCGGCAGGAGTG
GGAAGCCAAGCAGGAGAAGATCAAGAGTGAGGAGATCGAGATCACCTTACGCTACTGGGATGGCTCTGGG
CACCGGCGGACAGTCAAGATGAGAAAGGCAACACCATGCAGCAGTTCCTGCAGAAGGCGCTCGAGATCC
TTCGAAAGACTTCAGTGAGCTGAGGTCCGAGGGGTGGAGCAGCTCATGTACATCAAGGAGGACTTGAT
CATCCCTCACCATCACAGCTTCTACGACTTCATCGTCACCAAGGCACGGGGGAAGAGTGGACCACTTTC
AACTTTGATGTTTCATGACGATGTGCGGTTGCTCAGTGACCCACTGTGGAGAAGGATGAGTCCCATGCAG
GCAAGGTGGTGTGAGGAGCTGGTACGAGAAGAACAAGCACATCTTCCCGCCAGCCGCTGGGAACCCCTA
CGACCTGAAAAGAAGTGGGACAAGTACACGATCCGCTGA
```



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_004699 unedited  
 GGATTTTGTATACTATCTCACTATAGGGCGGCCGGAATTTCGCACGAGGGTTTGCCCTCT  
 CCTCATAACCCTTGGCTTGGGTCTCGGAAGCTTCAGCTTAAAGGCTGGAGATGAAAAAGG  
 CCAAAGGTCAGTAGGGTCGGTGGCTTCAGGCTACTGAGGGACCTGTGATCCCCAGCAGGA  
 GACCTGAAGAGCCAGAGCAGCTCAGGGATGGAACAGCCCCATTTGGCACTCTTAGCATT  
 TGAAGAGCCCTGCCAGCCTCATGGAACCTCCATCGACAAGGGCACAGGGGCAGATTTG  
 GACTATAACGCAGTCCCTTGTATGGCCAGCCTGCCATTTCCACAGTGAGGGGTGGTTCTCA  
 TGGTGGCTGTCACTCCCCGAGGAGAACATCATGAAATCCAACATTGACAAGAAGTTCTC  
 TGCCTACTACGACGGTGGAGGAGCTCAAGTCCAGCACCGTGGGTCTCGTGACCT  
 GAATGACATGAAGGCCAAGCAGGAGGCTCTGGTGAAGGAGCGGGAGAAGCACCTGGCCAA  
 GAAGGAGCAGTCCAAGGAGCTGCAGATGAAGCTGGAGAAGCTTCGAGAGAACGAGCGTTA  
 GAAGGAAGCCAAGCGAAGATCTCCACCCTGTCTTCACCCTGGAGATGAAAAACAGGG  
 ACGCCAGGAGAACAGGAAGCGCCATGTTTGAGGAGGAGATGAAAAGGGAATAAATCCC  
 CCCAACATAAACTGGGGAAAACCCAGACGTGACACAAGCTTTTGCCTGATCGATAACC  
 GGAGGAGGAGAAAATTGCCTTCGGGAGAACTGCGGCTGGAGGGGAACCCATCCAGAAA  
 AAATCAAATGGGGAAACCACATCCCTTACCTCT

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_004699 unedited  
 CGAGGGGCGAGTTAAAAATCCTTTTTTTTCCAGCTCTGACACGTTTACTTCTTTATTGGA  
 AAAGAATAAAGCAGTCACTGATGTGGCAGGGGCAGGACACGAGCAGCTGCCGTCTCCTC  
 CCAGCGTGCCTGGCATGGCCGAGGGGAGCGGGTGCCTGGAGTCCCGGTGACACCACGGG  
 GCACACTGAGGGAGCTGTTGTCCGGGGCCGCGCACCTCCTGGATGCTCACCGGATCGG  
 TACTTGACCCACTCCTTTACAGGGCCGAAGGGTCCCCAGCGGCTGGCGGAAAGACGCGC  
 TTGCCCTTCTCGACCATCTCCTCATACCACCCCTGCCTGCATGGGACCCACCCTTCCCC  
 ACAGCGGCGCCGCTGCCTACCCGCCATCGCTCCGAACATCCACACTGAACAGCGGACCC  
 CTCTCCCACCGTGCCTTGGCGACTATCAACCCCAAAAACCCGTGACGCTGCCACCCAAGG  
 CCAGGCCACCGGAGCCCCGACGGCCATTCTCGTCCCTCCACACCACAACACTGAACCC  
 CCGCCATCCTTTCTGCCCCCCCACCACGCCCCACATGCGGACACCGGCACCCAGGAC  
 CCCACCCGACTCGATCCCCCATCTCTCCCTCACCTGCACCACCTGCCGCCCCCCCCAT  
 CCAACCCCTACCAGCCCCCAACTTCAACCCCCCGCCGCGCTCCATTTCCCTCC  
 CCCCCCACCATTCCCCCCCCACGCATGCACCCCTCCCCCTTTTACCCCCCAAGG  
 CCCTTGGACTNTCCCCCTACTCCCATCCATCCTCCCCCCCCCCCCACTCGGGG  
 CCCCCCTCCCCTCCCACCCCGACCCGCCCCATATTGCAAGATCCCCCCCCCCCCCT  
 CACAGCAAACCACCCATGCCCCACCCTTCCNTCAACACCACCCCAAAACCCACAAC  
 CCACAACATAAAG

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_004699

**Insert Size:**

2090 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).

**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\\_004699.1](#), [NP\\_004690.1](#)

**RefSeq Size:** 1311 bp

**RefSeq ORF:** 1020 bp

**Locus ID:** 9130

**UniProt ID:** [Q14320](#)

**Cytogenetics:** Xq28

**Domains:** XAP5

**Gene Summary:** This gene belongs to the FAM50 family. The encoded protein is highly conserved in length and sequence across different species. It is a basic protein containing a nuclear localization signal, and may function as a DNA-binding protein or a transcriptional factor. [provided by RefSeq, Sep 2009]