

## Product datasheet for **SC108289**

### **SAMM50 (NM\_015380) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	SAMM50 (NM_015380) Human Untagged Clone
Tag:	Tag Free
Symbol:	SAMM50
Synonyms:	CGI-51; OMP85; SAM50; TOB55; TRG-3; YNL026W
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_015380, the custom clone sequence may differ by one or more nucleotides

```
ATGGGGACTGTGCACGCCCGGAGTTTGGAGCCTCTCCATCAAGTGGACCTGATTTTGGAGGATTAGGAG
AAGAAGCTGAATTTGTTGAAGTTGAGCCTGAAGCTAAACAGGAAATCTTGAAAACAAAGATGTGGTTGT
TCAACATGTTTCATTTTGTGAGCCTTGAAGGACTAAAGATGATATCATCATTTGTGAAATGGAGATGTT
TTCAAGGCCAAAAACCTAATTGAGGTAATGCGGAAATCTCATGAAGCCCGTGAAAAATTGCTCCGCTTG
GAATTTTGTAGACAAGTGGATGTTTTGATTGACACATGTCAAGGTGATGACGCACTTCCAATGGGTAGA
CGTTACCTTTGAAGTAACTGAATTGAGGAGATAACGGGCAGTTATAACACCATGGTTGAAACAATGAA
GGCAGTATGGTACTTGGCCTCAAGCTTCTAATCTTCTTGGTCGTGCAGAAAAGGTGACCTTTCAGTTTT
CCTATGGAACAAAAGAACTTCGTATGGCCTGTCTTCTTCAAACCACGGCCCGGAAACTTCGAAAGAAA
TTTCTCTGTAAACTTATATAAAGTTACTGGACAGTTCCCTTGGAGCTCACTGCGGGAGACGGACAGAGGA
ATGTCAGCTGAGTACAGTTTTCCCATATGGAAGACCAGCCACACTGTCAAGTGGGAGGCGTATGGCGAG
AACTGGGCTGCCTCTCAAGGACGGCGTCATTTGCTGTTTCAAGAAAAGGCGGACATTCAGTAAATCATC
TCTTTCGACGCCATGGTCATCGATTCTCGAATCTTCCATCTTACCAAGGAGAGGTGCTTTGCTGAAA
GTTAACCGAAGCACTCATATTTGATTGATTTTTCAGCTCTTCTGGGGCGGAATGTTGGTACCCATTGG
TGATAAGCCGTCAAGCATTGCTGATAGGTTTTACCTTGGGGACCCACAAGCATCCGCGGATTCAGCATG
CACAGCATCGGGCCACAGAGCGAAGGAGACTACCTAGGTGAGAAAGCGTACTGGGCGGGCCGCTGCACC
TCTACACCCCATACCTTCCGGCCAGGCCAGGGTGGCTTTGGAGAACTTTCCGAACACACTTCTTTCT
CAACGCAGGAAACCTCTGCAACCTCAACTATGGGGAGGGCCCAAGCTCATATTCGTAAGCTGGCTGAG
TGCATCCGCTGGTGTACGGGGCCGGGATTGTCCTCAGGCTTGGCAACATCGCTCGGTTGGAACCTAATT
ACTGCGTCCCATGGGAGTACAGACAGGCACAGGATATGTGATGGCGTCCAGTTTGGAGCTGGGATAAG
GTTCTGTAG
```



[View online »](#)

<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_015380 unedited</p> <pre> CTTTTGTATACGACTCATATAGGGCGGCCGCAATTTCGCACGAGGGTTGCCTTGACCTGC AGCTCCGCCACCCGCGGACCCGCCTTCTGCCCTCAGCAGCAGACGCTCTGTCCCGCCGGG CAGCTCTGCGAGGCAGCGGCTGGAGAGGGAACCATGGGGACTGTGCACGCCCGGAGTTTG GAGCCTCTCCATCAAGTGGACCTGATTTTGGAGGATTAGGAGAAGAAGCTGAATTTGTT GAAGTTGAGCCTGAAGCTAAACAGGAAATCTTGAAAAACAAGATGTGGTTGTTCAACAT GTTTCATTTTGTATGGACTTGAAGGACTAAAGATGATATCATCATTGTGAAATTGGAGAT GTTTTCAAGGCCAAAAACCTAATTGAGGTAAATGCGGAAATCTCATGAAGCCCGTGAAAAA TTGCTCCGCTCTTGAATTTTTAGACAAGTGATGTTTTGATTGACACATGTCAAGGTGAT GGCGCACTTCAAATGGTTAGACGTTACCTTTGAAGTAACTGAATTGAGGAGATTAACG GGCAGTTATAACACCATGGTTGGGAACAATGAAGGCAGTATGGTACTTGGCCTCAAGCTT CCTAATCTTCTTGGTCGTGCAGAAAAGGTGACCTTTCAGTTTTCTATGGAACAAAAGAA ACTTCGTATGGCCTGTCTTCTCANACCACGGCCCGAAACTTCGAAAGAAATTTCTCT GTANACTTATATAAAGTTACTGGACAGTCCCTTGGAGCTCACTCGGGAGACGGACAGA GGAATGTCAGCTGAGTACAGTATAATTAGNTCATTGGTNCATGATGCTTCATTCCAAANA ATGATTGCACAGTTCTAGTATGTGTGGTCCGGAAGAGTCTGACTCCTGTGTCAGTTNCC ATATGGAAGACAGNCCACTGTCAGTGGAAGGCGTATGCGAGACTGGCTGCTTCAGGACNG TCATTGCT </pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_015380 unedited</p> <pre> GTGTCTTTTACATTTATTGTACGGGTTTCCCACAGGGTCCGAGTCAAAGAATCGCTGA ACCGCGTTTCTCGAGAGACGGTGTGTGGCATGGGCGCCTTGCTGCTGCCCCAGTCCCAG AGCTTCTCCTGTAGGGGTGTCGGCTACAGGAACCTTATCCAGCTCCAAACTGGACGCCA TCACATATCCTGTGCGCTGTCTGTACTCCCATGGGGACGCAATTAAGTTCAAACCGA GCGATGTTGCCAAGCCTGAGGACAATCCCGGCCCGTACGACCAGCGGATGCACTCAGCC AGCTTACGAATATGAGCTTTGGGGCCCTCCCCATAGTTGAGGTTGCAGAGGTTTCTGCG TTGAGAAAGAAGTGTGTTTCGAAAAGTTCTCAAAGCCACCCTGGCCTGGCCGGAAAAGGT AATGGGGTGTAGAGGTGCAGGCCCGCCGCCCAGTACGCTTCTCCACCTAGGTAGTCTCCT TCGCTCTGTGGCCGATGCTGTGCATGCTGAATCCGCGGACGCTTGTGGTCCCCGAGG TAAAACCTATCAGCAATGCTTGACGGCTTATCACCAATGGGTACCAACATTCCGCCCCAG AAAGACGCTGAAAAAATGAATCAAATATGAGTTGCTTGTCAACTGCAAGTCAAATCT TCTTTGATGAAGCTCACATCCCCGCCAGTGTAGCCTGCCAGTCTGGTTAACTTTCAGC AAACACCTCTCCTTGGTAGATGGAAGATTCCGAGATCGATGACCATGCATGCGAAAAGAT GATTTTCATGAATGTCCGCTTTCTTTTCGACAGCANATACGCCGTCCTTGAGAGCAGCCCA TTCTCGCATACCCCTTCCACTTGAAGNGTGCTTGTCTTTTCATATGGAAGTGCACATGAGA TACTCTTCCGACACCCTACTTAGACTGGTGAATATTTTTGGATGACCACATGAAAN </pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_015380
<b>Insert Size:</b>	1970 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\\_015380.3](#), [NP\\_056195.2](#)

**RefSeq Size:** 1741 bp

**RefSeq ORF:** 1410 bp

**Locus ID:** 25813

**UniProt ID:** [Q9Y512](#)

**Cytogenetics:** 22q13.31

**Domains:** Bac\_surface\_Ag

**Gene Summary:** This gene encodes a component of the Sorting and Assembly Machinery (SAM) of the mitochondrial outer membrane. The Sam complex functions in the assembly of beta-barrel proteins into the outer mitochondrial membrane.[provided by RefSeq, Jun 2011]