

## Product datasheet for **SC303582**

### ZMYM3 (NM\_005096) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ZMYM3 (NM\_005096) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** ZMYM3  
**Synonyms:** DXS6673E; MYM; XFIM; ZNF198L2; ZNF261  
**Vector:** pCMV6 series  
**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_005096, the custom clone sequence may differ by one or more nucleotides

```

ATGGACCCAGTGATTTCCCCAGTCCATTTGACCCATTGACCCTGCCAGAGAAGCCCTG
GCTGGAGACCTACCAGTAGACATGGAATTTGGAGAGGATCTACTGGAATCCCAGACTGCC
CCAACCTCGAGGATGGGCCCCCTGGCCCTTCTCCATCCTCGGGAGCCCTGGACCTGCTT
GATACCCCTGCTGGCCTGGAAAAAGACCCTGGAGTCTGGATGGAGCCACTGAGTTGCTG
GGGCTGGGGGGCTGCTCTATAAAGCCCTCTCCCCGGAGGTGGACCACGGTCTGAG
GGAACCTGGCATGGGATGCAGGAGATCAGACCCTAGAGCCTGGACCAGGGGGCCAGACC
CCTGAGGTGGTACCACCTGATCCAGGGGCTGGGGCAAATTCCTGTTACCTGAGGGGCTA
CTAGAGCCTTTGGCTCCAGATTCTCCAATAACACTGCAGTCCCCACATATTGAAGAGGAG
GAGACCACCTCCATAGCTACTGCAAGAAGGGGCTCCCCTGGGCAGGAGGAGGAGTTCCC
CAAGGGCAGCCACAGAGCCCAAATGCCCCGCTAGCCCTTCAGTGGGAGAGACTCTGGGG
GATGGAATCAACAGTTCTCAGACCAAACCTGGGGGCTCTAGCCCCCTGCACATCCTTCC
TTGCCAGGAGATGGCCTGACTGCGAAGGCGAGTGAGAAGCCGCTGAACGGAAGAGAAGC
GAGCGCTTAGGAGAGCAGAACCTCCAAAACCTGAGGTTGTAGATTCCACTGAGAGCATT
CCAGTGCAGATGAGGATTCTGATGCCATGGTAGATGACCCCAATGATGAGGACTTTGTG
CCATTCGGCCCCGCGCTCCTCGCATGTCCCTACGCTCAAGTGTGTCACAAAGGGCC
GGGCGCTCTGCAGTGGGCACCAAGATGACTTGTGCACATTGCCGGACACCACTGCAGAAG
GGGCAGACTGCCTATCAGCGCAAGGGGCTGCCTCAGCTTCTGCTCGTATCCTGCCTC
ACCACTTTCTCCAAGAAGCCCTCGGGCAAAAAGACCTGTACCTTCTGCAAGAAGGAGATC
TGGAACACCAAGGACTCGGTTGTGGCGCAGACTGGTCTGGAGGCTCCTTCCATGAGTTC
TGCACATCCGCTGTCTCCTGTATGAGGCCAGCAGCAGCGCCGATCCCCAGTCT
GGGGATCCCGCCGACGCTACTCGCTGCAGCATATGCCAGAAGACTGGAGAGGCTCTGCAC
GAGGTGAGCAATGGCAGCGTGGTACACCGGCTCTGCAGCGATTCTTGCTTCTCCAAATTC
CGGGCCAACAAGGACTGAAAACCAACTGTTGTGACCAGTGTGGGGCTTACATCTACACC
AAGACCGGAGTCTGGCCCTGAGCTCCTTCCACGAGGGCCAACAAAAGCGGTTCTGC
AACACAACCTGCTTGGGGCGTACAAGAAGAAAAACACACGTGTGTACCCATGTGTCTGG
TGCAAGACCTGTGTAAGAACTTTGAGATGCTATCACATGTGGATCGTAATGGCAAGACC
AGCTTGTCTGTTCCCTGTGCTGTACCCTTCTTACAAAGTGAAGCAGGCAGGGCTCACT
GGCCCTCCCCGACCTGCAGTCTCTGCCGCCGAGCCTCTCTGACCCCTGTTACTACAAC
AAGTTGACCGCACAGTCTACCAGTTCTGCAGCCCCAGCTGCTGGACCAAGTTCACGCGC

```



[View online »](#)

ACAAGCCCTGAGGGGGCATTACCTGAGCTGTCACTACTGTACAGCCTCTTCAGTGGC  
AAGCCTGAGGTCTTGACTGGCAGGACCAAGTGTCCAGTTCTGCTGCCGTGATTGCTGT  
GAGGACTTCAAGCGGCTTCGGGGTGTGGTGTCCCAGTGTGAGCACTGTCCGCAGGAGAAA  
CTCTTGCATGAGAACTCCGATTAGCGGAGTGGAGAAAAGCTTCTGCAGCGAAGGCTGT  
GTGCTGTGTACAAACAGGACTTACTAAGAAGCTGGGCTTGTGCTGTATCACTTGTACT  
TACTGCTCCCAGACCTGCCAGCGGAGTACCCAGCAACTGGATGGCAGCACCTGGGAC  
TTCTGCAGTGAGGACTGTAAGAGCAAGTACCTGCTGTGGTACTGCAAGGCTGCCCGTGC  
CATGCGTGTAAAGCGCCAGGGGAAGCTGCTGGAGACCATCCACTGCGTGGGCAGATCCGT  
CATTTCTGCAACCAGCAGTGTCTTCTGCGTTTCTATAGCCAGCAGAACCAACCCAACCTG  
GATACCCAGAGTGGGCCCGAGAGCCTCCTGAACAGTCAGTCTCCTGAGTCAAACCCAG  
ACACCCTCTCAAACAAAGTGGAGAACAGCAACACAGTGAGGACCCAGAGGAAAATGGG  
AATTTGGGCAAGATCCCTGTGAAGACCCGATCAGCTCCCCTGCTCCCACCCCTCCACCC  
CCACCACCCAGCAACACCCCGCAAAAACAAGGCTGCCATGTGTAAAGCCACTGATGCAG  
AATCGGGCGTCTCCTGCAAGGTGGAGATGAAGTCAAAGGAAGTCAAACAGAAGAGTGG  
AAGCCACAGGTGATCGTGTGCCATCCCAGTGCCATCTTCGTGCCAGTGCCTATGCAT  
CTGTAAGTCCAGAAAGTCCCGGTGCCTTTCTCGATGCCTATCCCGGTGCCTGTGCCCATG  
TTCTTGCCCACTACCTTGAGAGCACAGACAAGATTGTAGAGACCATTGAGGAGCTGAAG  
GTGAAGATCCCTTCCAACCCCTTGAGGCGGACATCCTGGCTATGGCAGAAATGATTGCA  
GAGGCTGAGGAGTTAGACAAGGCCTCATCTGACCTTTGTGATCTTGTGAGCAACCAGAGT  
GCAGAGGGACTCCTGGAAGACTGTGACCTGTTGGCCTGCTCGAGATGATGTCTGGCC  
ATGGCAGTCAAGATGGCCAATGTCTTGGATGAGCCTGGCAAGACTTGGAGGCAGACTTC  
CCTAAGAATCCTCTGGACATTAATCCCAGTGTAGACTTCTCTTTGATTGTGGCCTGGTA  
GGCCTGAGGATGTGTCTACTGAACAAGACTTCCCGAACCATGAGGAAGGGTCAAAAAG  
CGGCTGGTGTCTTCCGAAAGCTGCTCCCGGACTCCATGAGCAGTCAGCCTAGTTGTACC  
GGGCTCAACTATTCATATGGTGTCAATGCTTGAAGTGTGGGTGCAAGTCAAATATGCC  
AATGGAGAAACCAGAAAGGTGATGAGCTGCGCTTTGGCCCAAACCCATGCGTATCAA  
GAGGATATTCTCGCTGCTCAGCTGCTGAGCTCAACTACGGTCTGGCCAGTTTGTGAGA  
GAAATCACTCGGCCAATGGTGAACGATATGAACCTGACAGTATCTACTATTTGTGTCTT  
GGCATCCAGCAGTACTTGTGAAAATAACCGGATGGTGAACATTTTACGGACCTTTAC  
TACCTGACTTTTGTCAAGAACTCAACAAGTCTCTGAGTACCTGGCAGCCACACTCCTC  
CCCAACAATACGGTGTCTCTCGAGTGGAGGAGGACACCTCTGGGAGTGTAAAGCAACTG  
GGGTCTACTCGCCTTTGTCTCCTCAACACCCTCATGTTCTTCAACACTAAGTTTTTT  
GGGCTGCAGACAGCTGAGGAACACATGCAACTCTCCTTACCAATGTGGTGGCGGAGTCC  
CGCAAGTGTACCACCCCTCGGGGACCACCAAGGTGGTGAAGTCCGCTACTATGCCCA  
GTCCGCCAGAGGAAAGGGCGAGACACGGTCTGGAAAACGGAAGAGAGAAGATGAAGCC  
CCTATCTTAGAGCAGCGTGAACCGCATGAATCCCTCCGCTGCCCTGTCAAGTTCTAT  
GAATTCTATCTCAAAATGTCTGAAAGCCTCCGGACTCGCAACGATGTGTTCTACCTG  
CAACCTGAACGGTCTGCATCGCCGAGTCACTCTGGTATTCTGTGATCCCCATGGAC  
CGCAGCATGTTGGAGAGCATGCTCAATCGCATCCTGGCTGTGCGGAGATTTATGAGGAA  
CTGGGTCGTCTGGGAGGAAGACCTGGACTGA

- Restriction Sites:** Please inquire
- ACCN:** NM\_005096
- 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.

<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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_005096.2, NP_005087.1</u>
<b>RefSeq Size:</b>	5535 bp
<b>RefSeq ORF:</b>	4113 bp
<b>Locus ID:</b>	9203
<b>UniProt ID:</b>	<u>Q14202</u>
<b>Cytogenetics:</b>	Xq13.1
<b>Protein Families:</b>	Transcription Factors
<b>Gene Summary:</b>	<p>This gene is located on the X chromosome and is subject to X inactivation. It is highly conserved in vertebrates and most abundantly expressed in the brain. The encoded protein is a component of histone deacetylase-containing multiprotein complexes that function through modifying chromatin structure to keep genes silent. A chromosomal translocation (X;13) involving this gene is associated with X-linked cognitive disability. Several alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jan 2010]</p> <p>Transcript Variant: This variant (2) contains an alternate 5' non-coding exon compared to variant 1. Variants 1 and 2 encode the same isoform (1).</p>