

Product datasheet for **SC108538**

ZMYM3 (NM_201599) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZMYM3 (NM_201599) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZMYM3
Synonyms:	DXS6673E; MYM; XFIM; ZNF198L2; ZNF261
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_201599, the custom clone sequence may differ by one or more nucleotides

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ATGGACCCAGTGATTTCCCCAGTCCATTTGACCCATTGACCCTGCCAGAGAAGCCCTGGCTGGAGACC
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AGGGCTCACTGGCCCTCCCCGACCCTGCAGCTTCTGCCGCCGACGCTCTCTGACCCCTGTTACTACAAC
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_201599 unedited
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 GAGACCTACCAGTAGACATGGAATTTGGAGAGGATCTACTGGAATCCCAGACTGCCCAA
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 CCCCTGCTGGCCTGAAAAAGACCCTGGAGTCCCTGGATGGAGCCACTGAGTTGCTGGGGC
 TGGGGGGGCTGCTCTATAAAGCCCCCTCTCCCCGGAGGTGGACCACGGTCTGAGGGAA
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 CCACCTCCATAGCTACTGCAAGAAGGGGCTCCCCTGNGCAGGAGGAGGAGCTTCCCCAAG
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 GCGTTAGGAGAGCAAACTTCAAACCTGAGGGTGTAGATTCACTGAG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_201599 unedited
 NNTTCACTGTGGAACCGCGCCGAATCTAGTATCGAGTTTTTTTTTTTTTTTTTTTACAA
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 TTCTCACTACAACACAAGGGTGGGCATGGCTCACTGAAGGGACAGGCCAGGCGCCTCAAA
 ACAATATATACAATTTAAACAGTGGCTAACTGGTGACAGTTATAAAAAACAAAAAGGAG
 CCTGGGAAACAGCAAAGTCAACAGGAAAGAAGTGGGTACCCCTTTGCCAGAAGCTAAT
 TGTTTTCTGGGACCTCCAATGCAAGATGGGGAAGGAGAAGATGTATGCAGTGGCGGCAG
 GCCCTGCGCCACAGCTCCTCGCTGTCTTTGACCACAGATCCCATCCTGCATGACTCA
 AGGTCCCATAGGCTTGGCCTAGCTCTTATGATAGGGGAACAATAGAGGGGAACCCAGCCT
 CAACCCAAGTCAGAAGGTAGTTTTTGCCTTGGGAGGTCTGTCCATTGAACTAAAGGGAGG
 CAGTTACAGAGGGGCTAAGCATGTTGACACCATGGCTCATGGCAACCTAAGATGGCAGA
 GAGACAAACACAGAAACCAAGGGGACAGGAGTCTGCACAACAGGAGTCTGCTCCCCGTAC
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 CCAAGGGATGGGGCTTGGCGAGGGGGGAGGGATATGCGGTGGTGGATGGTGCCAAACCA
 CCAATATTTATAGGAGGGGAAGACGTCTAGCCTCTGTGTTAAGTAAAGGCCCCCTCAA
 GGGTTCATGGGAATTCCTACCTTAAAAAAAACACTTTGCATGGGCTGGGAAGAGTACA
 AAGGGAGGGGCCCAAGGCAAAAAAG

Restriction Sites:

NotI-NotI

ACCN:

NM_201599

Insert Size:

5000 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_201599.1](#), [NP_963893.1](#)

RefSeq Size: 5602 bp

RefSeq ORF: 4113 bp

Locus ID: 9203

UniProt ID: [Q14202](#)

Cytogenetics: Xq13.1

Protein Families: Transcription Factors

Gene Summary: 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]
Transcript Variant: This variant (1) represents the predominant transcript. Variants 1 and 2 encode the same isoform (1).