

Product datasheet for **SC328811**

ZMYM3 (NM_001171163) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZMYM3 (NM_001171163) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZMYM3
Synonyms:	DXS6673E; MYM; XFIM; ZNF198L2; ZNF261
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC328811 representing NM_001171163.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAAATTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC**CGGATCGCC**
ATGGACCCAGTGATTTCCCACTCCATTTGACCCATTGACCCTGCCAGAGAAGCCCTGGCTGGAGAC
CTACCACTAGACATGGAATTTGGAGAGGATCTACTGGAATCCCACTGCCCAACTCGAGGATGGGCC
CCCCCTGGCCCTTCTCCATCCTCGGGAGCCCTGGACCTGCTTGATACCCCTGCTGGCCTGAAAAAGAC
CCTGGAGTCTGGATGGAGCCACTGAGTTGCTGGGGCTGGGGGGGCTGCTCTATAAGCCCCCTCTCCC
CCGGAGGTGGACCACGGTCTGAGGGAACCTGGCATGGGATGCAGGAGATCAGACCCTAGAGCCTGGA
CCAGGGGGCCAGACCCTGAGGTGGTACCACCTGATCCAGGGGCTGGGGCAAATTCCTGTTACCTGAG
GGGCTACTAGAGCCTTTGGCTCCAGATTCTCCAATAACACTGCAGTCCCCACATATTGAAGAGGAGGAG
ACCACCTCCATAGCTACTGCAAGAAGGGGCTCCCCTGGCGAGGAGGAGCTTCCCCAAGGGCAGCCA
CAGAGGCCAAATGCCCGCCTAGCCCTTCAGTGGGAGAGACTCTGGGGGATGGAATCAACAGTTCTCAG
ACCAAACTGGGGGCTCTAGCCCCCTGCACATCCTTCTTGCCAGGAGATGGCCTGACTGCGAAGGCG
AGTGAGAAGCCGCTGAACGGAAGAGAAGCGAGCGGTTAGGAGAGCAGAACCTCCAAAACCTGAGGTT
GTAGATTCCACTGAGAGCATTCCAGTGTGAGATGAGGATTCTGATGCCATGGTAGATGACCCCAATGAT
GAGGACTTTGTCCATTCCGGCCCCGGCGCTCTCTCGCATGTCCCTACGCTCAAGTGTGCACAAAGG
GCCGGGCGCTCTGCAGTGGGCACCAAGATGACTTGTGCACATTGCCGGACACCCTGCAGAAGGGGCAG
ACTGCCTATCAGCGCAAGGGGCTGCCTCAGCTCTTCTGCTCGTCATCTGCCTCACCCTTTCTCCAAG
AAGCCCTCGGGCAAAAAGACCTGTACCTTCTGCAAGAAGGAGATCTGGAACACCAAGGACTCGGTTGTG
GCGCAGACTGGTTCTGGAGGCTCCTTCCATGAGTTCTGCACATCCGTCTGTCTCTCCCTGTATGAGGCC
CAGCAGCAGCGCCGATCCCCAGTCTGGGGATCCCGCCGACGCTACTCGCTGCAGCATATGCCAGAAG
ACTGGAGAGGTCTGCACGAGGTGAGCAATGGCAGCGTGGTACACCGGCTCTGCAGCGATTCTTGCTTC
TCCAAATTCGGGGCAACAAGGACTGAAAACCACTGTTGTGACCAGTGTGGGGCTTACATCTACACC
AAGACCGGGAGCTCTGGCCCTGAGCTCCTCTTCCACGAGGGCCAAACAAAGCGGTTCTGCAACACAAC
TGCTTGGGGGAGTCAAGAAGTGGGGCCGAGGGAG**TAG**
ACGCGTACGCGCGCGCTCAGCAGAAACTCATCTCAGAAGGAGTCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

ACCN: NM 001171163

Insert Size: 1488 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).

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.

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:	<ol style="list-style-type: none"> 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:	<u>NM_001171163.1</u>
RefSeq Size:	1930 bp
RefSeq ORF:	1488 bp
Locus ID:	9203
UniProt ID:	<u>Q14202</u>
Cytogenetics:	Xq13.1
Protein Families:	Transcription Factors
MW:	52.5 kDa
Gene Summary:	<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 (4) contains an alternate 5' non-coding exon and an additional segment at its 3' end compared to variant 1. This results in a frame-shift and a much shorter isoform (3) compared to isoform 1. This isoform retains four Zn finger domains at the C-terminus, and is supported by homologs in mouse and rat.</p>