

Product datasheet for **RC230173**

ZMYM3 (NM_001171163) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZMYM3 (NM_001171163) Human Tagged ORF Clone
Tag:	Myc-DDK
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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ORF Nucleotide Sequence:

>RC230173 representing NM_001171163
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACCCAGTGATTTCCCCAGTCCATTTGACCCATTGACCCTGCCAGAGAAGCCCTGGCTGGAGACC
 TACCAGTAGACATGGAATTTGGAGAGGATCTACTGGAATCCAGACTGCCCAACTCGAGGATGGGCCCC
 CCCTGGCCCTTCTCCATCCTCGGGAGCCCTGGACCTGCTTGATACCCCTGCTGGCCTGGAAAAAGACCT
 GGAGTCTGGATGGAGCCACTGAGTTGCTGGGGCTGGGGGGCTGCTCTATAAAGCCCCCTCCTCCCGG
 AGGTGGACCACGGTCTGAGGGAACCTGGCATGGGATGCAGGAGATCAGACCCTAGAGCCTGGACCAGG
 GGGCCAGACCCCTGAGGTGTTACCACCTGATCCAGGGCTGGGGCAAATTCCTGTTACCTGAGGGGCTA
 CTAGAGCCTTTGGCTCCAGATTCTCAATAAACTGCAGTCCCCACATATTGAAGAGGAGGAGACCCT
 CCATAGCTACTGCAAGAAGGGGCTCCCTGGGCAGGAGGAGCTTCCCAAGGGCAGCCACAGAGCCC
 AAATGCCCGCCTAGCCCTTCAGTGGGAGAGACTCTGGGGATGGAATCAACAGTTCTCAGACAAAACCT
 GGGGGCTCTAGCCCCCTGCACATCCTTCTTCCAGGAGATGGCCTGACTGCGAAGGCGAGTGAGAAGC
 CGCTGAACGGAAGAGAAGCGAGCGCTTAGGAGAGCAGAACCTCCAAAACCTGAGGTTGTAGATCCAC
 TGAGAGCATTCCAGTGTGAGATGAGGATTCTGATGCCATGGTAGATGACCCCAATGATGAGGACTTTGTG
 CCATTCGGCCCCGGCGCTCTCCTCGCATGTCCCTACGCTCAAGTGTGTCAAAAGGGCCGGGCGCTCTG
 CAGTGGGCACCAAGATGACTTGTGCACATTGCCGGACACCACTGCAGAAGGGGCAGACTGCCTATCAGCG
 CAAGGGGCTGCCTCAGCTCTTCTGCTCGTACCTGCCTCACCCTTTCTCCAAGAAGCCCTCGGGCAA
 AAGACCTGTACCTTCTGCAAGAAGGAGATCTGGAACACCAAGGACTCGGTTGTGGCCAGACTGGTTCTG
 GAGGCTCCTTCCATGAGTTCTGCACATCCGTCTGTCTCCTGTATGAGGCCAGCAGAGCGCCCGGAT
 CCCCCAGTCTGGGGATCCCGCCGACGCTACTCGCTGCAGCATATGCCAGAAGACTGGAGAGGTCTGCAC
 GAGGTCAGCAATGGCAGCGTGGTACACCGGCTCTGCAGCGATTCTTGTCTTCCAATTCGGGGCAACA
 AGGGACTGAAAACCAACTGTTGTGACCAGTGTGGGGCTTACATCTACACCAAGACCGGGAGTCTGGCCC
 TGAGCTCTTCCACGAGGGCCAACAAAAGCGGTTCTGCAACACAACCTGCTTGGGGCGTACAAGAAG
 GTGGGGCCGAGGGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC230173 representing NM_001171163
 Red=Cloning site Green=Tags(s)

MDPSDFPSPFDPLTLPEKPLAGDLPVDMEFGEDLLESQTAPTRGWAPPSPSSGALDLDTPAGLEKDP
 GVLDGATELLGLGGLLYKAPSPPEVDHGPEGLAWDAGDQTLQEPGGQTPEVVPDPGAGANSCSPEGL
 LEPLAPDSPITLQSPHIEEETSIATARRGSPGQEELPQGQPQSPNAPPSPVGETLGDGINSSTKPK
 GGSPPAHPSLPGDGLTAKASEKPPERKRSERVRAEPPKPEVVDSTESIPVSDSDAMVDDPNDEDFV
 PFRPRRSPRMSLRSSVSQRAGRSVAVGKMTCAHCRTPKQGTAYQRKGLPQLFCSSSCLTTFSKKPSGK
 KTCTFCKEIWNTKDSVVAQTGSGGSFHEFCTSVCLSLYEAQQQRPQPQSGDPADATRCSICQKTEVLH
 EVSNGSVVHRLCSDSCFSKFRANKGLKTNCCDQCAYIYTKTGSPPELLFHGQQKRFNCNTTCLGAYKK
 VGPPE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8063_d04.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001171163

ORF Size: 1485 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001171163.1](#), [NP_001164634.1](#)

RefSeq ORF: 1488 bp

Locus ID: 9203

UniProt ID: [Q14202](#)

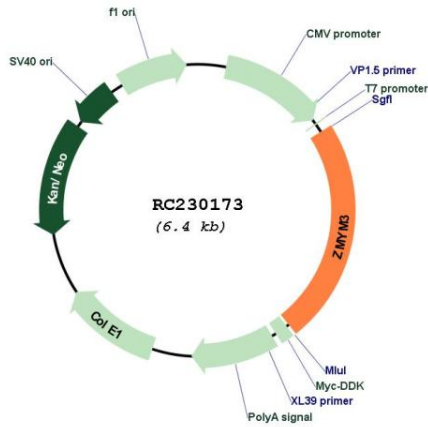
Cytogenetics: Xq13.1

Protein Families: Transcription Factors

MW: 52.9 kDa

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]

Product images:



Circular map for RC230173