

Product datasheet for RC235287

ZMYM2 (NM_001190964) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZMYM2 (NM_001190964) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZMYM2
Synonyms:	FIM; MYM; RAMP; SCLL; ZNF198
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC235287 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

RCATGGACACAAGTTCAGTGGGAGGATTAGAATTGACTGATCAGACTCCTGTTTTATTAGGGAGTACGGC
CATGGCAACTAGTCTCACGAATGTAGGAACTCATTTAGTGGTCCAGCTAATCCTTTAGTGTCTAGATCT
AATAAGTTTCAGAACTCGTCAGTGGAGATGATGATGATGTTGTTTTATCGAACCTGTACAACCTCCCC
CACCTTCTGTACCAGTGGTAGCTGATCAAAGAACCATAACATTTACATCATCAAAAAATGAAGAATA
AGGAAATGATTCCAAAATTACTCTTCCCAAAGAGTTGGCATCTCAGGAGGGAAGTGAAGTGAGACA
ATTGTCATTGATGATGAAGAGGACATGGAAACAATCAAGGGCAAGAGAAAAATTCCTCCAATTTATTG
AACGAAGACCTCCTGAGACTAAAAACAGAACCAATGATGTGGATTTCTCCACTTCCAGTTTTCAAGAAG
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GTTACAACCTTTAGAAACAGGTGTAAGCTCTGTGAATGATGGCCAATTAGAAAATACTGACGGGCGAGATA
TGAACCTAATGATTACACATGTAACATCACTGCAGAATACCAACTGGGAGATGTCTCTAACGGACTGCA
GTCAAGTAATTTGGTGTAAATATACAAACATACACCCCATCTTAACTTACAGACCAAGACTGGAGTA
GGACCTTTAATCCTGGTAGAATGAATGTGGCAGGAGACGTTTTTCAGAAATGGAGAATCTGCAACTCATC
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AGAAAAGATTTTCTGTCAAAGTTGTGTCAAGTGAATACAAACAGGTAGGTAGCCATCCAAGCTTCCTGAA
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GAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC235287 protein sequence
 Red=Cloning site Green=Tags(s)

XWTQVQWED*N*LIRLLFY*GVRPWQLVSRM*ETHLVVQLIL*CLDLISFRTRQWKMMMLFLSNLYNLP
 HLLYQW*LIKEP*HLHHQMKNYKEMIPKLLLPQKSWHLRREV*VRQLSLMMKRTWKQIKGKRKIPPILL
 NEDLLRLKTEPMMWISPLPVFQEV*MQEWVIVVSPQNQLKFRLLMLQL*KQV*AL*MMAN*KILTGEI
 *T**LHM*HHCRIPTWEMSLTDCSQVILVLIYKHTPHL*LHRPRLE*DILLVE*MWQETFFRMENLQLI
 IILILGSPSQLHFPVIRNNQGWTLYHRWPHFLNRFSSRLSNSSLNQLKSLVQTAKNLYRRARQLINEKD
 QLTSFVLPFAFLPSPSLLQRNSVLCVKKI*LQ*KEPLLLKWIQVSPSRNSVVHLVYLSMKTNRILLKEL
 *INQDVQSVVN*LRFAMKSALKI*LISCAVTTALIDIEWPMV***IAVNSVESTCPVKVLEIMFW*LMVN
 RKDFAVKVVSVNTNR*VAIQAS*RRFEITCRTLS*CSLRNMEN*QLVLAEHSAGFLI*LSV*VLMDIWS
 HIVQLLV*TVTRQNMQNHKVWELFAIFVSETLYLNTKPQCLMENCTTFAIPVVWLNFR*VCSHLQMASL
 *RQVIFS*NATTAKIPFVQNQKSWNGRTKCISSAAKLQMTIRSCIA*LHIANTVKRRRLFMKQ*ISLAL
 RDL SVVKAANYTNRILPDV*D*DVLLATIVLSYVRREQLKNSMVL*EISAVKIAVKNFRIGTTRQLQGV
 VVNLKELLKSEFSGVGK*NISVINIAYCVSTVNKMSPT*QLRKDLKTYIMIRVVRHLEPK*QVQHHPLLQ
 HLTKR*RTKQFFANL***QKLLTVNLTCPNLVQMIILGGQNMFCQLSLCLCISQFLCTCTVRIFFLLQ
 FLFLCQFLFFCLLHWTAVRRFLQQLRS*KARFLQMLLIQSCLQ*RI**VKTRGKQRPTSTV*LLKQI*L
 VQTF*RTLQQRHSPA CLMYHMNIWISK*IFPELLRSLIWKMNFYHFLAKNMRNSPDLDLKKREPRER
 LYQDTSLMMIVLTIQNA AFLSNIRMA*MHGNTGSKLGNLMKIFWY*MS*NLLNQ*S*KRIYSLTPQLSLT
 MG*LILSMRSDGQMERIMHLTASITFALEYRSICVEVIEKTTYLLILDTKHLSKN*IKYCEAGNQAYFQM
 GOYSLELKKTISGG*NN*DHTLQ*LF*IHCSTLTLILA*KQWNNT*DFPLALCLGIGKKIL*RWKTKRV
 FDTKCLPCVEQIMKIKLLEKENMKMSQYLNKLTQPILPDVL*KCLNATCLKVHRILIRGWMFFICNQ
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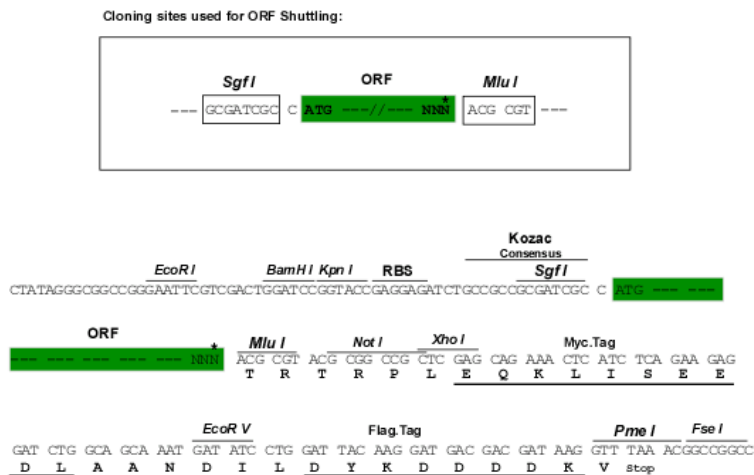
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6754_f03.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


* The last codon before the Stop codon of the ORF

ACCN:

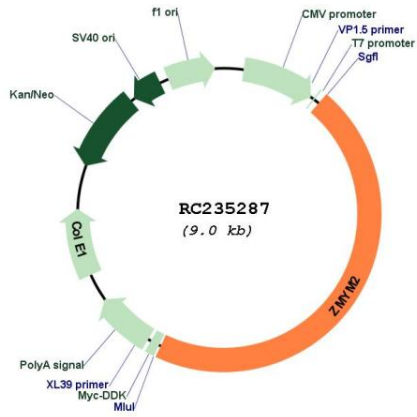
NM_001190964

ORF Size:

4131 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:	<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:	NM_001190964.4
RefSeq Size:	10155 bp
RefSeq ORF:	4134 bp
Locus ID:	7750
UniProt ID:	Q9UBW7
Cytogenetics:	13q12.11
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Transcription Factors
MW:	155 kDa
Gene Summary:	The protein encoded by this gene is a zinc finger protein that may act as a transcription factor. The encoded protein may be part of a BHC histone deacetylase complex. Translocation of this gene with the fibroblast growth factor receptor-1 gene (FGFR1) results in a fusion gene, which may be a cause of stem cell leukemia lymphoma syndrome (SCLL). Several transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2010]

Product images:



Circular map for RC235287