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Product datasheet for SC117941

ZMYM2 (NM_197968) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZMYM2 (NM_197968) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZMYM2
Synonyms:	FIM; MYM; RAMP; SCLL; ZNF198
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_197968, the custom clone sequence may differ by one or more nucleotides

ATGGACACAAGTTCAGTGGGAGGATTAGAATTGACTGATCAGACTCCTGTTTTATTAGGGAGTACGGCCA
TGGCAACTAGTCTCACGAATGTAGGAAACTCATTTAGTGGTCCAGCTAATCCTTTAGTGTCTAGATCTAA
TAAGTTTCAGAACTCGTCAGTGGAAGATGATGATGATGTTGTTTTTATCGAACCTGTACAACCTCCCCCA
CCTTCTGTACCAGTGGTAGCTGATCAAAGAACCATAACATTTACATCATCAAAAAATGAAGAACTACAAG
GAAATGATTCCAAAATTACTCCTTCCTCAAAAGAGTTGGCATCTCAGAAGGGAAGTGTAAGTGAGACAAT
TGTCATTGATGATGAAGAGGACATGGAAACAAATCAAGGGCAAGAGAAAAATTCCTCCAATTTTATTGAA
CGAAGACCTCCTGAGACTAAAAACAGAACCAATGATGTGGATTTCTCCACTTCCAGTTTTTCAAGAAGTA
AGGTAAATGCAGGAATGGGTAATAGTGGTATCACCACAGAACCAGACTCTGAAATTCAGATTGCTAATGT
TACAACTTTAGAAACAGGTGTAAGCTCTGTGAATGATGGCCAATTAGAAAATACTGACGGGCGAGATATG
AACTTAATGATTACACATGTAACATCACTGCAGAATACCAACTTGGGAGATGTCTCTAACGGACTGCAGT
CAAGTAATTTTGGTGTTAATATACAAACATACACCCCATCTTTAACTTCACAGACCAAGACTGGAGTAGG
ACCTTTTAATCCTGGTAGAATGAATGTGGCAGGAGACGTTTTTCAGAATGGAGAATCTGCAACTCATCAT
AATCCTGATTCTTGGATCTCCCAGTCAGCTTCATTTCCCCGTAATCAGAAACAACCAGGGGTGGACTCTT
TATCACCAGTGGCCTCACTTCCTAAACAGATTTTCCAGCCGTCTGTCCAACAGCAGCCTACTAAACCAGT
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TTATGTGTAAAAAAGATATAACTACAATGAAAGGAACCATTGTTGCTCAAGTGGATTCAAGTGAGTCCTT
CCAGGAATTCTGTAGTACATCTTGTTTATCTCTCTATGAAGACAAACAGAATCCTACTAAAGGAGCTCTA
AATAAATCAAGATGTACAATCTGTGGTAAACTAACTGAGATTCGCCATGAAGTCAGCTTTAAAAATATGA
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TGAACAGTGTGGAGAGTACTTGCCCAGTAAAGGTGCTGGAAATAATGTTCTGGTGATTGATGGTCAACAG
AAAAGATTTTGCTGTCAAAGTTGTGTCAGTGAATACAAACAGGTAGGTAGCCATCCAAGCTTCCTGAAGG
AGGTTCGAGATCACATGCAGGACTCTTTCTTAATGCAGCCTGAGAAATATGGAAAACTGACAACTTGTAC

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TGGTTGCCGAACACAGTGCAGGTTTTTTGATATGACTCAGTGTATAGGTCCTAATGGATATATGGAGCCA
TATTGTTCAACTGCTTGTATGAACAGTCACAAGACAAAATATGCAAAATCACAAAGTTTGGGAATTATTT
GCCATTTTTGTAAGCGAAACTCTTTACCTCAATACCAAGCCACAATGCCTGATGGAAAACTGTACAACTT
TTGCAATTCCAGTTGTGTGGCTAAATTTCAGGCTCTAAGTATGCAGTCATCTCCAAATGGCCAGTTTGTA
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CCTGTTCCTGTGCCAGTTCCTGTTTTTCTGCCTGCTCCATTGGACAGCAGTGAGAAGATTCCTGCAGCAA
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TCAGACCTTTTGAAGAACTCTGACCCAGAGACACAGTCCAGCATGCCTGATGTACCATATGAACCAGATT
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TCAATATTCTCTCGAGTTGAAGAAGACTATCTCTGGAGGATAAAACAACTAGGATCACACTCTCCAGTAG
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TGAATGCTACTTGTCTAAAAGTCCACAGAATCTTAATCAGAGGATGGATGTTTTTTATTTGCAACCAGAA
TGCTCTAGTTCTACAGATAGCCCTGTCTGGTATACGTCTACTTCACTGGACCGAAACACCTTGGAAAATA
TGCTTGTACGGGTTCTTCTAGTAAAAGATATTTATGATAAAGACAATTATGAACTGGATGAAGACACAGA
CTAA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_197968 unedited
TATACGACTCACTAAGGGCGGCCGCGAATTCGGCACGAGGCCGAGAATGGGGGTGGCTGG
GAGCAGCGCAGCCTCCGGAGGAGGAGGCGGAGGCGGAGGCGACTAGGGAGGCGGAGATGG
GACCAAGAAATCGCCTTCAGCCCTGTCTGGTGCATCCTTGGCAGAAAGTGAGGAGGAAAA
ACACCCCCATTGTTCTTTGGCATGGACACAAGTTCAGTGGGAGGATTAGAATTGACTGAT
CAGACTCCTGTTTTATTAGGGAGTACGGCCATGGCAACTAGTCTCACGAATGTAGGAAAC
TCATTTAGTGGTCCAGCTAATCCTTTAGTGTCTAGATCTAATAAGTTTCAGAACTCGTCA
GTGGAAGATGATGATGATGTTGTTTTTATCGAACCTGTACAACCTCCCCCACCTTCTGTA
CCAGTGGTAGCTGATCAAAGAACCATAACATTTACATCATCAAAAAATGAAGAACTACAA
GGAAATGATTCCAAAATTACTCCTTCCTCAAAAGAGTTGGCATCTCAGAAGGGAAGTGTA
AGTGAGACAATTGTCATTGATGATGAAGAGGACATGGAAACAAATCAAGGGCAAGAGAAA
AATTCCTCCAATTTTATTGAACGAAGACCTCCTGAGACTAANAAAGAACCAATGATGTGG
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TCACCACAGAACCAGACTCTGAATNTCAAAATTGCTAATGTTACAACTTTAAAAACAGTG
TTAGGCTCTGTGGATGATGGCCATTANAAAAACTGACGGCGAAAAATAACTTATGATTAC
ACCTGTACATACTGGAGATACCACTGGGAAAAGTTCTTACGNATGCATCAGAAATTTGGG
GTAAAAAAAAAATAACCCATTTTTAATTCA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_197968 unedited
ATAGCTTGNNACCGCGGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTATTAGT
TTACAGTTTATTTTAAAAATTCCGAAAGAACTGCAAGTTCTAAACTTTTAGTAGTGCTAC
CCATACACAACCATCTGGTTAAGAACCCAGTAAAAGAGCCCCCTTCCAAGGAAGCTTTGC
AACAGTAGAGTTGTGCAATATGGATGTTTCTTACTACAAGAAAAAAATTATACATGGCAC
ATTCTCATTCATATTCTGTAATGTAAAAAGTTACAAACATACCTAATCAAATAAATAATA
ATAAAAAAAGAATTTGAATGTATTTGTTAAGTATCCTAAAACCACTACATAGAATAATGG
CAACTTTCACTCACAGATTATTTACATGGTAATACCCAGCGTGGGTACACTGCTACAAAA
CTCAAAACAGAAGGAGTAAACTTGAAATGTTTTCCATAATAAAGATCTAGCAGCATGACT
ATCTAATGCTGTTTTATCCCGATTGCTTCTGCAACGTTCCTTTTTAGTCTGTGTCTTCAT
CCAGTTCATAATTGTCTTTATCATAAATATCTTTTACTAGAAGAACCCGTACAAGCATAT
TTTCCAAGGTGTTTCGGTCCAGTGAAGTAGACGTATACCAGACAGGGCTATCTGTAGAAC
TAGAGCATTCTGGTTGCAAATAAAAAACATCCATCCTCTGATTAAGATTCTGTGGACTTT
TAGACCAGTAGCATTCAAACATTTTCACAGGACATCTGGAAGGATTGGTTGTGTNTTCAA
TTTGTTCAATACTGGCTCATCATCTTCATGGTTTTTTTTTCCAGAAGTAATTTTATCTTC
ATTATCTGTCCACACAAGGAAGACCCTTTGTATTCGAGACCCGCTTTGTTTTCATCGTTA
AGGATTTTTTTNCATGCCTAAACCATGCCAAAGAAAGTCTAAGGGTTGTTCCTTGTTTTA
GGCCC

Restriction Sites: NotI-NotI

ACCN: NM_197968

Insert Size: 4400 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_197968.1, NP_932072.1
RefSeq Size:	5170 bp
RefSeq ORF:	4134 bp
Locus ID:	7750
UniProt ID:	Q9UBW7
Cytogenetics:	13q12.11
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Transcription Factors
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] Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1-4 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.