

## Product datasheet for **SC111505**

### ZMYND19 (NM\_138462) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZMYND19 (NM_138462) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZMYND19
Synonyms:	MIZIP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_138462, the custom clone sequence may differ by one or more nucleotides

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ATGACCGACTTCAAATTGGGTATCGTGCGGCTCGGCCGGGTGGCCGGAAGACCAAATACACGCTGATCG
ATGAGCAGGACATCCCGCTGGTGGAGAGCTACTCCTTTGAGGCCGAATGGAAGTGGATGCAGATGGAAA
TGGTGCTAAGATATTTGCCTATGCCTTTGACAAGAACCAGGAAGGGGCTCTGGGAGACTCCTTCATGAG
CTGCTGTGGGAGCGCACCGGGGGGCGTGGCCCCGGGCTTCCAGGTGGTGCACCTCAACGCTGTGACCG
TGGACAATCGCCTGGACAACCTGCAACTGGTCCCGTGGGGCTGGCGCCCAAGGCTGAAGAGACCTCCAG
CAAGCAGAGGGAGCAAAGCTTGTATTGGCTTGCAATTCAGCAGCTGCCTACAGACCCTATAGAAGAACAG
TTTCCTGTCTAAATGTGACCCGGTATTATAATGCCAACGGGATGTAGTGAAGAGGAGGAGAACTCTT
GCACCTACTATGAGTGCCACTACCCTCCCTGCACAGTGATTGAGAAGCAGCTCCGGGAGTTCAACATCTG
TGGGCGCTGCCAGGTGGCCCCGTACTGCGGCTCCCAGTGCCAGCAGAAGGACTGGCCTGCCACAAGAAG
CACTGTGGGAGAGGAAGCGTCCCTTCCAGCATGAGCTTGAGCCAGAGCGATGA
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_138462 unedited TCGGCATTAGNACACGACTTACTATAGGCGGCCGCGNAATTTCGCACCAGGCTCGCTGTGG TGCGCGCGGTGGCGGTGGCGGCGCGGCCGCGCGTGGCAGGTCCGGCGGGCGCGAGG CGGCGCGGAGGCCCGAGCCCGGCCAGCCTCGTCCCGCCCGAGCCCGCTGGCTGCTA CCCCGACCCCGGCTCCGGTCCCCTCCTGTCCCGGCGCGCCGCGGCTCGCCCCGGCCCC GCTCGGCGCCTCCCGAGGGAGCGGCGCTGCCGGCCGAGAGCGCAGGCCCGGCCATGACCG ACTTCAAATTGGGTATCGTGCAGGCTCGGCCGGTGGCCGGGAAGACCAAATACACGCTGA TCGATGAGCAGGACATCCCGCTGGTGGAGAGCTACTCCTTTGAGGCCCGAATGGAAGTGG ATGAGATGAAAATGGTCTAAGATATTTGCCTATGCCTTTGACAAGAACCAGGAAAGGG GCTCTGGGAGACTCCTTCATGAGCTGCTGTGGGAGCGGCACCGGGGGGGCGTGGCCCCGG GCTTCCAGGTGGTGCACCTCAACGCTGTGACCGTGGACAATCGCCTGGACAACCTGCAAC TGGTGCCGTGGGGCTGGCGGCCAAGGCTGAAGAGACCTCCAGCAAGCAGAGGGAGACAA GCTTGTATTGGGCTTGCATTGAGCAGCTGCCTACAGACCTATAGAAGAAGAGTTTCTG TCCTAAATGTGACCCGGTATATAATGCCNACGGNGATGTAGTGAAGAGGAGAGAACTCT TGCACTACTATGAGTGCCACTACCTCCCTGCACAGTGATTGAGAAGCAGCTCCGGGNAG TCAACATCTGTGGCGCTTGCCAGTTGGCCCGGTACTGCGGCTCCAAGTGGCACCAAAGG GACTGGCCTGCCCCACANAACACTGTTCGGAGAGGAAACCTCCCTCCAGCAG
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_138462
<b>Insert Size:</b>	1600 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_138462.2</a> , <a href="#">NP_612471.1</a>
<b>RefSeq Size:</b>	1371 bp
<b>RefSeq ORF:</b>	684 bp
<b>Locus ID:</b>	116225
<b>UniProt ID:</b>	<a href="#">Q96E35</a>
<b>Cytogenetics:</b>	9q34.3
<b>Domains:</b>	zf-MYND
<b>Protein Families:</b>	Druggable Genome

**Gene Summary:**

ZMYND19 is a MYND zinc finger domain-containing protein that binds to the C terminus of melanin-concentrating hormone receptor-1 (MCHR1; MIM 601751) (Bachner et al., 2002 [PubMed 12208518]), and to the N termini of alpha-tubulin (TUBA1; MIM 191110), and beta-tubulin (TUBB; MIM 191130) (Francke et al., 2005 [PubMed 16039987]).[supplied by OMIM, Mar 2008]