

## Product datasheet for **RG204509**

### ZMYND19 (NM\_138462) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZMYND19 (NM_138462) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZMYND19
Synonyms:	MIZIP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG204509 representing NM_138462 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACCGACTTCAAATTGGGTATCGTGCGGCTCGGCCGGGTGGCCGGAAGACCAAATACACGCTGATCG  
ATGAGCAGGACATCCCGCTGGTGGAGAGCTACTCCTTTGAGGCCCGAATGGAAGTGGATGCAGATGGAAA  
TGGTGCTAAGATATTTGCCTATGCCTTTGACAAGAACCGAGGAAGGGCTCTGGGAGACTCCTTCATGAG  
CTGCTGTGGGAGCGGCACCGGGGGCGTGGCCCCGGCTTCCAGGTGGTGCACCTCAACGCTGTGACCG  
TGGACAATCGCCTGGACAACCTGCAACTGGTGGCGTGGGGCTGGCGGCCAAGGCTGAAGAGACCTCCAG  
CAAGCAGAGGGAGCAAAGCTTGTATTGGCTTGCAATTCAGCAGCTGCCTACAGACCTATAGAAGAACAG  
TTTCCTGTCTAAATGTGACCCGGTATTATAATGCCAACGGGGATGTAGTGGAAGAGGAGGAGAACTCTT  
GCACCTACTATGAGTGCCACTACCCTCCCTGCACAGTGATTGAGAAGCAGCTCCGGGAGTTCAACATCTG  
TGGGCGCTGCCAGGTGGCCCGTACTGCGGCTCCCAGTGCCAGCAGAAGGACTGGCCTGCCACAAGAAG  
CACTGTCCGGGAGAGGAAGCGTCCCTTCCAGCATGAGCTTGAGCCAGAGCGA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG204509 representing NM\_138462  
 Red=Cloning site Green=Tags(s)

MTDFKLGIVRLGRVAGTKYTLIDEQDIPLVESYSFEARMEVDADGNGAKIFAYAFDKNRGRSGRLLHE  
 LLWERHRGGVAPGFQVVHLNAVTVDNRLDNLQLVPWGWPKAEETSSKQREQLYWLAIQQLPTDPIEEQ  
 FPVNLNTRYNNANGDVVEEEENSCTYYECHYPPCTVIEIKQLREFNICGRQCQVARYCGSQCCQKDWPAHKK  
 HCRERKRPFQHELEPER

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_138462

**ORF Size:** 681 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\\_138462.3](#)

**RefSeq Size:** 1371 bp

**RefSeq ORF:** 684 bp

**Locus ID:** 116225

**UniProt ID:** [Q96E35](#)

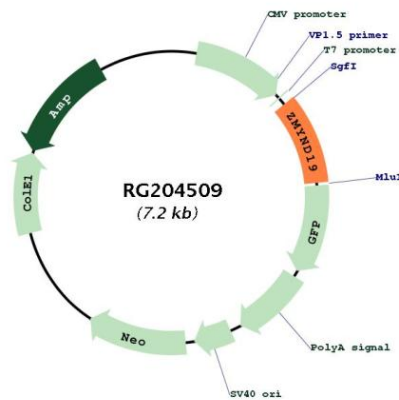
**Cytogenetics:** 9q34.3

**Domains:** zf-MYND

**Protein Families:** 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]

### Product images:



Circular map for RG204509