

Product datasheet for **RC204509**

ZMYND19 (NM_138462) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZMYND19 (NM_138462) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZMYND19
Synonyms:	MIZIP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC204509 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACCGACTTCAAATTGGGTATCGTGCGGCTCGGCCGGGTGGCCGGAAGACCAAATACACGCTGATCG
ATGAGCAGGACATCCCGCTGGTGGAGAGCTACTCCTTTGAGGCCGAATGGAAGTGGATGCAGATGGAAA
TGGTGCTAAGATATTTGCCTATGCCTTTGACAAGAACCAGGAAGGGGCTCTGGGAGACTCCTTCATGAG
CTGCTGTGGGAGCGGCACCGGGGGGCGTGCCCCGGGCTTCAGGTGGTGCACCTCAACGCTGTGACCG
TGGACAATCGCCTGGACAACCTGCAACTGGTGCCGTGGGGCTGGCGGCCAAGGCTGAAGAGACCTCCAG
CAAGCAGAGGGAGCAAAGCTTGTATTGGCTTGCAATTCAGCAGCTGCCTACAGACCCTATAGAAGAACAG
TTTCCTGTCTAAATGTGACCCGGTATTATAATGCCAACGGGGATGTAGTGGAAGAGGAGGAGAAGCTCTT
GCACCTACTATGAGTGCCACTACCCTCCCTGCACAGTGATTGAGAAGCAGCTCCGGGAGTTCAACATCTG
TGGGCGCTGCCAGGTGGCCCGTACTGCGGCTCCAGTGCCAGCAGAAGGACTGGCCTGCCACAAGAAG
CACTGTCGGGAGAGGAAGCGTCCCTCCAGCATGAGCTTGAGCCAGAGCGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RC204509 protein sequence
 Red=Cloning site Green=Tags(s)

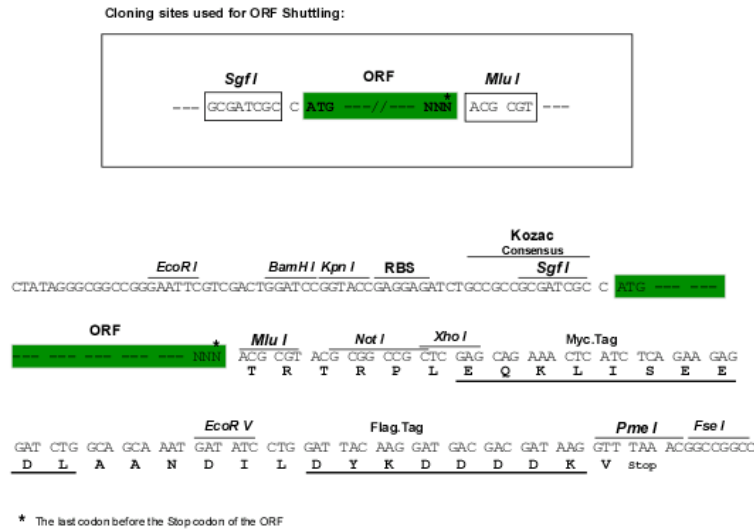
MTDFKLGIVRLGRVAGTKYTLIDEQDIPLVESYSFEARMEVDADGNKAKIFAYAFDKNRGRSGRLLHE
 LLWERHRRGGVAPGFQVVHLNAVTVDNRLDNLQLVPWGWPRKAEETSSKQREQLYWLAIQQLPTDPIEEQ
 FPVLNVTRYYNANGDVVEEEENSCTYYECHYPPCTVIEKQLREFNICGRQCQVARYCGSQCCQKDWPAHKK
 HCRERKRPFQHELEPER

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6325_h12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_138462

ORF Size: 681 bp

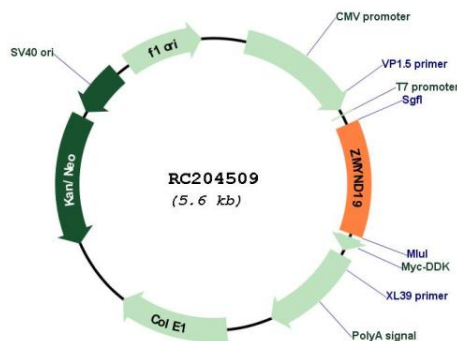
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.

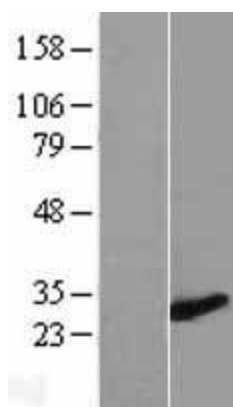
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_138462.3</u>
RefSeq Size:	1371 bp
RefSeq ORF:	684 bp
Locus ID:	116225
UniProt ID:	<u>Q96E35</u>
Cytogenetics:	9q34.3
Domains:	zf-MYND
Protein Families:	Druggable Genome
MW:	26.4 kDa
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]

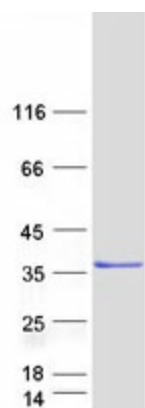
Product images:



Circular map for RC204509



Western blot validation of overexpression lysate (Cat# [LY408589]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC204509 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified ZMYND19 protein (Cat# [TP304509]). The protein was produced from HEK293T cells transfected with ZMYND19 cDNA clone (Cat# RC204509) using MegaTran 2.0 (Cat# [TT210002]).