

Product datasheet for **RC227195**

ZMYND15 (NM_001136046) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	ZMYND15
Synonyms:	SPGF14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >RC227195 representing NM_001136046
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAACTACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGAGTTTGTGCTGGATACCGGGATGAGTTCCTTGATTTCACTGCCCTTCTCTTCGGCTGGTTCCGAA
 AGTTTGTGGCAGAGCGTGGAGCTGTAGGGACTAGCCTTGAGGGCCGCTGCCGGCAGCTGGAGGCCAGAT
 CAGAAGGCTACCCAGGACCTGCCCTTTGGGTGCTCCATGTCCTGCCCAACCATAGTGTGGGCATCAGC
 CTGGGGCAAGGGGAGAACAGGCTCTGGACCAGGCTGGGGACTGCCTGGCTCCTGGGAGACAACCTC
 CACTCCACCTGCGAGACCTGAGCCCTACATCAGCTTTGTGAGCCTAGAGGATGGGGAGGAAGGGGAGGA
 GGAAGAGGAGGAAGATGAAGAAGAAGAGAAGAGAGAGGACGGGGGTGCAGGCAGCACAGAGAAGGTGGAA
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
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Protein Sequence:

>RC227195 representing NM_001136046

Red=Cloning site Green=Tags(s)

MEFVSGYRDEFLLDFTALLFGWFRKFVAERGA VGTSL EGRCRQLEAQIRRLPQDPALWVLHVLPHNSVGIS
LGQGAEPGPGPLGTAWLLGDNPLHLRDLSPYISFVSL EDGEEGEEEEEEDEEEKREDGGAGSTEKVE
PEEDRELAPTSRESPQETNPPGESEEAAREAGGKDGCREDRVENETRPQKRKGQRSEAAPLHVSCLLLV
TDEHGTILGIDLLVDGAQGTASWGS GTKDLAPWAYALLCHSMACPMGSGDPRKPRQLTVGDARLHRELES
LVPR LGVKLAKTPMRTWGP RP GFTFASLRARTCHVCHRHSFEAKLTPCPQCSAVLYCGEACLRADWQRC P
DDVSHRFWCPRLA AFMERAGELATLPFTYTA E V TSETFNKEAFLASRGLTRGYWTQLSMLIPGPGFSRHP
RGNTPSL SLLRGDPYQLLQGDGTALMPPVPPHPPRGVFGSWQDYTWRLSLDSP IAVLLTYPLTVYYV
ITHLV PQSFPELNIQNKQSLKIHVVEAGKEFDLVMVFWELLVLLPHVALELQFVGDLPPESDEQHFTLQ
RDSLEVSVRPGSGISARPSSGTEKGGRRDLQIKVSARPYHLFQGP KPD LVIGFNSGFALKDTWLRSLPR
LQSLRVPAFFTESSEYSCVMDGQTMAVATGGGTSP PQNPFRSPFRLAADNCMSWYCN AIFHLVYKPA
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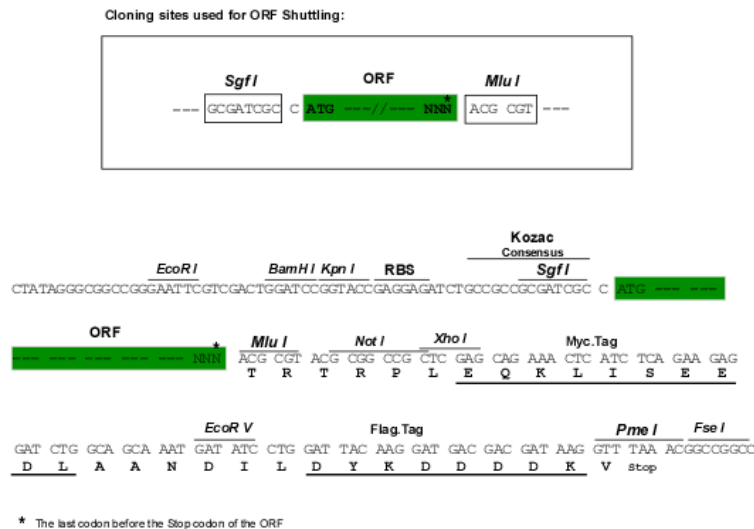
Chromatograms:

https://cdn.origene.com/chromatograms/mk8032_b12.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_001136046

ORF Size:

2226 bp

OTI Disclaimer:

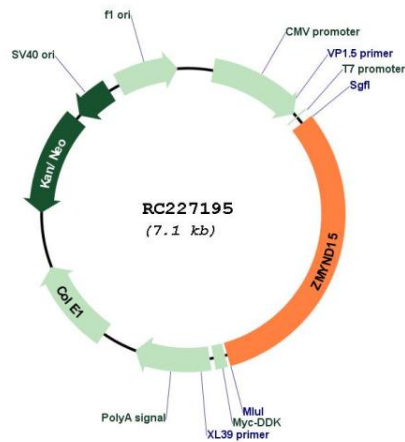
The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation:

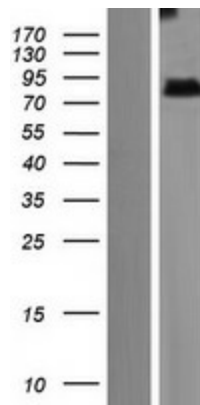
This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	NM_001136046.3
RefSeq ORF:	2229 bp
Locus ID:	84225
UniProt ID:	Q9H091
Cytogenetics:	17p13.2
MW:	81.7 kDa
Gene Summary:	This gene encodes a MYND-containing zinc-binding protein with a nuclear localization sequence. A similar gene in mice has been shown to act as a testis-specific transcriptional repressor by recruiting histone deacetylase enzymes to regulate spatiotemporal expression of many haploid genes. This protein may play an important role in spermatogenesis. Alternative splicing results in multiple transcript variants and protein isoforms. [provided by RefSeq, Jun 2012]

Product images:



Circular map for RC227195



Western blot validation of overexpression lysate (Cat# [LY427792]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC227195 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).