

Product datasheet for **RG234826**

ZMYND15 (NM_001267822) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZMYND15 (NM_001267822) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZMYND15
Synonyms:	SPGF14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RG234826 representing NM_001267822
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGTTTGTGTCTGGATACCGGATGAGTTCCTTGATTTCAGTCCCTTCTCTTCGGCTGGTTCGAA
 AGTTTGTGGCAGAGCGTGGAGCTGTAGGGACTAGCCTTGAGGGCCGCTGCCGGCAGCTGGAGGCCAGAT
 CAGAAGGCTACCCAGGACCCTGCCCTTGGGTGCTCCATGTCCTGCCAACCATAGTGTGGGCATCAGC
 CTGGGGCAAGGGGAGAACCAGGTCCTGGACCAGGCTGGGGACTGCCTGGCTCCTGGGAGACAACCCTC
 CACTCCACCTGCGAGACCTGAGCCCTACATCAGCTTTGTGAGCCTAGAGGATGGGAGGAAGGGGAGGA
 GGAAGAGGAGGAAGATGAAGAAGAAGAGAAGAGAGAGGACGGGGTGCAGGCAGCACAGAGAAGGTGAA
 CCAGAGGAGGACCGGAGCTAGCCCTACCAGCAGGGAGTCCCCCAGGAAACAAACCCTCCAGGAGAGT
 CAGAGGAGGCTGCCCGGAGGCAGGAGGTGGCAAGGATGGCTGCCGAGAGACAGGGTGGAGAACGAAAC
 AAGACCCAGAAGAGGAAGGGACAGAGGAGTGAAGCTGCCCCCTGCACGTTTCTGTCTCTTACTTGTG
 ACGGATGAGCATGGCACCATCTTGGGCATTGATCTGCTAGTGGATGGAGCCAGGGAACCGCAAGCTGGG
 GCTCAGGGACCAAGGACCTGGCTCCTTGGGCCTATGCTCTCTCTGTGACAGCATGGCCTGTCCCATGGG
 CTCTGGGGATCCCCGAAAGCCCCGACAGCTTACTGTGGGAGATGCCCGGCTGCATCGAGAGCTGGAGAGC
 TTGGTCCCAAGGCTAGGTGTGAAGTTAGCCAAACCCCAATGCGGACATGGGGTCCCCGGCCAGGCTTCA
 CCTTTGCTTCCCTTCGTGCTCGAACCTGCCATGTGTGTACAGGCACAGCTTTGAAGCGAAGCTGACACC
 TTGCCCCCAGTGATGCTGTCTTGTATTGTGGAGAGGCTTGTCTCCGGGCTGACTGGCAGCGGTGCCCA
 GATGATGTGAGTCACCGATTTTGGTGCCCAAGGCTTGCAGCCTTCATGGAGCGGGCAGGAGAAGTGGCAA
 CCCTGCCCTTTACCTACCCGCAGAGGTGACCAAGTGAACCTTCAACAAAGAGGCCTTCTGGCCTCTCG
 GGGCCTCACTCGTGGCTATTGGACCCAGCTCAGCATGCTGATTCCAGGCCCGGGCTTCTCCAGACACCCC
 CGAGGCAACACGCCATCCCTCAGCCTTCTTCGCGGTGGAGACCCCTACCAGCTTCTCCAGGAGACGGGA
 CTGCCCTGATGCCTCCTGTGCCCCACATCCACCCCGGGGTGTTTTGGCTCATGGCAGGATTACTACAC
 ATGGCGGGGCTCAGCTTGGACTCCCCATAGCCGTGCTTCTACCTACCCGCTGACCGTGTACTACGTC
 ATCACCCACCTGGTGCCCGAGTCTTCCCTGAGCTCAACATCCAAACAAACAGTCACTGAAGATCCACG
 TGGTGGAGGCCGGAAGGAGTTTACCTTGTGATGGTGTGTTTGGGAGCTTTTGGTCTGCTCCCCATGT
 GGCCCTGGAGCTGCAGTTTGTAGGTGATGGCTGCCCCCGAAAGCGACGAGCAGCATTTTACCCTGCAG
 AGGGACAGCCTGGAGGTGTCTGTCCGGCTGGTTCGGCATATCAGCACGGCCAGCTCTGGCACTAAGG
 AGAAAGGGGGCCGAGGACCTGCAGATCAAGGTGTGAGCAAGGCCCTACCACCTGTTCCAGGGGCCAA
 GCCTGACCTGGTTATTGCTTCTCCTCCTCTGTCTGTCAGGATTTAACTCCGGGTTTGGCTCAAGGAT
 ACGTGGCTGAGGTCTCTGCCCGGTTACAGTCCCTCCGAGTGCCAGCCTTCTTACCAGAGAGCAGCGAGT
 ACAGCTGTGTGATGGACGGCCAGACCATGGCGGTGGCCACTGGAGGGGGCACCAGCCCTCCCCAGCCAA
 CCCCTTCGCTCCCCCTTTCGCTCAGAGCGGCCGACAACATGCATGTCTGGTACTGCAATGCCTTCATC
 TTCCACCTGGTTTACAAGCCTGCTCAAGGAGCGGGGCCCGCCGCGCCGGGGCCCCACCCCATCCC
 CAACTCCCTCTGCTCCTCCTGCCCCACCCGAAGGCGCCGAGGAGAAAAGAAACCTGGGCGGGGGCCCCG
 CCGGCGGAAA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG234826 representing NM_001267822
 Red=Cloning site Green=Tags(s)

MEFVSGYRDEFLDFTALLFGWFRKFVAERGAVGTSLEGRCRQLEAQIRRLPQDPALWVLHVLPHNSVGIS
 LGQGAEPGPGPLGTAWLLGDNPLHLRDLSPYISFVSLEDGEEEEEEEEEEEEKREDGGAGSTEKVE
 PEEDRELAPTSRESPQETNPPGESEEAAREAGGKGDCREDRVENETRPQKRKGQRSEAPLHVSCLLLV
 TDEHGTLIGIDLLVDGAQGTASWGSCTKDLAPWAYALLCHSMACPMGSGDPRKPRQLTVGDARLHRELES
 LVPRLGVKLAKTPMRTWGP RP GTFASLRARTCHVCHRHSFEAKLTCPQC SAVLYCGEACLRADWQRCRCP
 DDVSHRFWCPRLA AFMERAGELATLPFTYTA EVTSETFNKEAFLASRGLTRGYWTQLSMLIPGPGFSRHP
 RGNTPSLSLLRGDPYQLLQGDGTALMPPVPPHPPRGVFGSWQDYTTWRGLSLDSPIAVLLTYPLTVYYV
 ITHLVPQSFPENIQNKQSLKIHVVEAGKEFDLVMVFELLVLLPHVALELQFVGDLPPESDEQHFTLQ
 RDSLEVSVRPGSGISARPSGTEKGGRRDLQIKVSARPYHLFQGPDPDLVIASPSLSAGFNSGFALKD
 TWLRSLPRLQSLRVPAFFTESSEYSCVMDGQTMAVATGGGTSPQP NPF RSPFRLRAADNCMSWYCNFI
 FHLVYKPAQSGSGARPAGPPPPSPTPSAPPAPTRRRRGEKKPGRGARRRK

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001267822

ORF Size: 2250 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_001267822.1](#), [NP_001254751.1](#)

RefSeq Size: 2448 bp

RefSeq ORF: 2253 bp

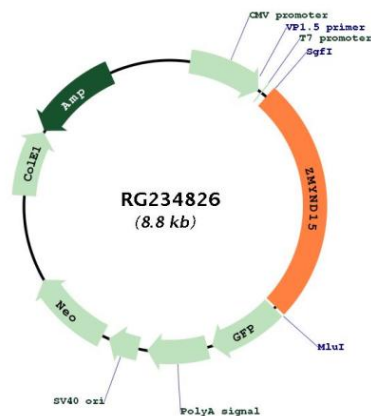
Locus ID: 84225

UniProt ID: [Q9H091](#)

Cytogenetics: 17p13.2

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 RG234826