

Product datasheet for RN208660

Zmynd10 (NM_001004284) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zmynd10 (NM_001004284) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Zmynd10
Synonyms:	MGC94352
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN208660 representing NM_001004284 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGTGACCTGGAGCTGCTGCCTGGGGAGGCTGAGGTGCTGGTGCAGGGCCTGCACAGCTTCCAGC
TTCGGGAGATGGGATCTGAAGGGTGGAGTAAGCAACATGAGAACCTGGAGAAGTTGAACATGCAAGCCAT
CCTCGATGCAACTGTCAGCCAGGCTGAGCCCATCCAGAACTGTTGGTCACCCACGGGAAGATCCCAACG
CTGGTGGAGGAGCTGATTGCTGTGGAGATGTGGAACAGAAAGGTGTTCCCGGTGCTGTGCCGGCTGGAGG
ACTTCAAGCCCCAGAACACCTTCCCATATACATGGTGGTACATCATGAGGCCTCCATCATCAATCTCCT
AGAGACAGTATTCTCCACAAGGAAGTGTGTAATCAGCAGATGACACGGTCTTGGACCTAGTAGACTAC
TGCCACCAGCAAGCTGATACTGCTAGTGGCTCGGAAAGGCGGTGGTACCTGTCTGAGGAAGAACGGTTCC
AGGACAGTACCCCTATGCAAGAGCTGCAGAAGCAGGCAGAGATGATGGAGTTTGAGATCTCCCTGAAAGC
CCTCTCCGTGCTTCGATACATCACAGATTGCATGGATAGCCTCTCCCTGAGCACACTGAACCGAATGCTT
ACCACACAACTTGCCTGCTCCTGGTGAAGTCTAGAGCACAGTCCCTGGAGCCGGCGGAAGGAG
GCAAGCTGCAGCATTTTGAGAGTGGCCGATGGCAGACAGTGGCCCCCTCAGAGCATCAAAAGCTGAACAA
ACTGGATGGGCAAGTATGGATCGCCTTGTACAATCTACTGCTCAGTCCCTGAGGCCCGAACCGTTACTGC
CTTACAAACTTTGCCAAGGGACAGCTGCTTAAGCTTCAGGCCCTCCTCACCGACACACTGCTTGACCAGC
TGCCCAACCTTGCTGATCTGAAGAGTTTCTGGCCACCTGGCCCTGGTTGAAACTCAACCCCTAAGAA
GGACCTAGTGTTAGAACAGATCCAGAAATCTGGGATCGGCTGGAGCGAGAGAACAAGGCAAGTGGCAG
GCTATCGCAAGCACCAGCTTCAGCACGTATTAGCCTCTCCGAGAAGGATCTTCGCCAACAAGCACAGA
GGTGGGCTGAAACCTACAGGCTGGACGTCTAGAGGCTGTAGCTCCGGAGAGGCCCGCTGTGCCTACTG
CAGTGCCGAGGCCTCAAGCGCTGCTCCAGATGCCAGAAAGTGTGGTATTGCTGCAGGGAGTGTCAAGTC
AAGCACTGGGAGAAGCACGGAAGACGTGTGTTCTAGCAGCCAGGGTGACAGAGCCAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001004284
Insert Size:	1323 bp
OTI Disclaimer:	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).
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:	<ol style="list-style-type: none">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:	<u>NM_001004284.1</u> , <u>NP_001004284.1</u>
RefSeq Size:	1754 bp
RefSeq ORF:	1323 bp
Locus ID:	363139
UniProt ID:	<u>Q6AXZ5</u>
Cytogenetics:	8q32
Gene Summary:	Plays a role in axonemal structure organization and motility. Involved in axonemal pre-assembly of inner and outer dynein arms (IDA and ODA, respectively) for proper axoneme building for cilia motility (By similarity). May act by indirectly regulating transcription of dynein proteins (By similarity).[UniProtKB/Swiss-Prot Function]