

## Product datasheet for **RR215891**

### Tmem216 (NM\_001271039) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tmem216 (NM\_001271039) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Tmem216  
**Synonyms:** RGD1304607  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RR215891 representing NM\_001271039  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCGCCGCGAGATAAAAGATTGTCCTCAACCCCTCTGGAAATCCTGTTCTTTCTGAATGGGTGGTACT  
 ATGCTACCTATTTCTGCTGGAGCTCCTATTTTCCTGTACAAAGGTCTCCTGCTGCCATACCCAACAGC  
 CAACCTAGTCCTAGATGGTGTGCTGCTCCTTATCTTGGCATTGAAGTAATACGATTGTTTTTGGT  
 ACAAGGGAAACCTCTGCCAGCGAAAGATGCCCTTGGCATCAGTGTGGCCCTGACCTCCCTTCTGCCA  
 TGATGGCTTCTATTACCTGCTGCTGCAGACCTACGTGCTCCGCCTAGAAGCTATTATGAACAGTATCTT  
 GCTCTTCTTTTGGCTCAGAGCTGCTGCTTGAGATGCTCACGCTGGCCACTTCTCCAGTATGGACAGG  
 ATC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR215891 representing NM\_001271039  
 Red=Cloning site Green=Tags(s)

MAPRDKRLSSTPLEILFFLNWYYATYFLELLIFLYKGLLLPYPTANLVDVVMLLLYLGIEVIRLFFG  
 TKGNLCQRKMPLGISVALTFPSAMMASYYLLLQTYVLRLEAIMNSILLFFCGSELLEMLTLATFSSMDR  
 I

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI



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**Cloning Scheme:**


**ACCN:** NM\_001271039

**ORF Size:** 423 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\\_001271039.1](#), [NP\\_001257968.1](#)

**RefSeq Size:** 1310 bp

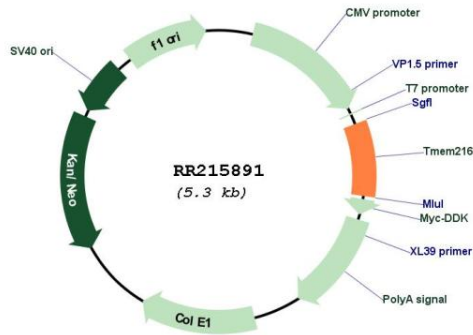
**RefSeq ORF:** 426 bp

**Locus ID:** 361727

**UniProt ID:** [B6ID01](#)

**Cytogenetics:** 1q43  
**MW:** 16.2 kDa  
**Gene Summary:** Part of the tectonic-like complex which is required for tissue-specific ciliogenesis and may regulate ciliary membrane composition.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RR215891