

## Product datasheet for MR202069

### TagIn (NM\_011526) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TagIn (NM\_011526) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** TagIn  
**Synonyms:** Sm2; Sm22; Sm22a; Ws310  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR202069 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCCAACAAGGGTCCATCCTACGGCATGAGCCGAGAAGTGCAGTCCAAAATTGAGAAGAAGTATGACG  
 AGGAGCTGGAGGAGCGACTAGTGGAGTGGATTGTAGTGCAGTGTGGCCCTGATGTAGGCCGCCAGATCG  
 TGGGCGCCTGGGCTTCCAGGTGTGGCTGAAGAATGGTGTGATTCTGAGCAAATTGGTGAACAGCCTGTAT  
 CCTGAGGGATCGAAGCCAGTGAAGGTGCCTGAGAACCCACCTCCATGGTCTTTAAGCAGATGGAACAGG  
 TGGCTCAATTCTGAAGGCAGCTGAAGATTATGGAGTCATCAAGACTGACATGTTCCAGACTGTTGACCT  
 CTATGAAGGTAAGGATATGGCAGCAGTGCAGAGGACTCTAATGGCTTTGGGCAGTTTGGCTGTGACCAAA  
 AACGATGGAAACTACCGTGGAGATCCCAACTGGTTTATGAAGAAAAGCCAGGAGCATAAGAGGGACTTCA  
 CAGACAGCCAACCTGCAGGAGGGGAAGCAGCTCATTGGCCTTCAAATGGGCAGCAACAGAGGAGCCTCGCA  
 GGCTGGCATGACAGGCTATGGGCGACCCCGGCAGATCATCAGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR202069 protein sequence  
 Red=Cloning site Green=Tags(s)

MANKGPSYGMSREVSQKIEKKYDEELEERLVEWIVVQCGPDVGRPDGRGLGFQVWLKNGVILSKLVNSLY  
 PEGSKPVKVPENPPSMVFKQMEQVAQFLKAAEDYGVIKTDMFQTVDLYEGKDMAAVQRTLALGSLAVTK  
 NDGNYRGDPNWFMKKAQEHRDF TDSQLQEGKHVIGLQMGSNRGASQAGMTGYGRPRQIIS

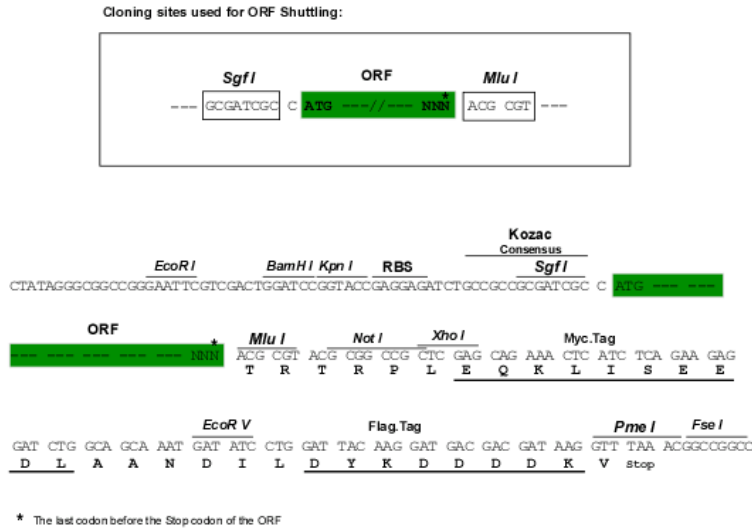
**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV



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Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM\_011526

ORF Size: 606 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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\\_011526.5](#)

**RefSeq Size:** 1586 bp

**RefSeq ORF:** 606 bp

**Locus ID:** 21345

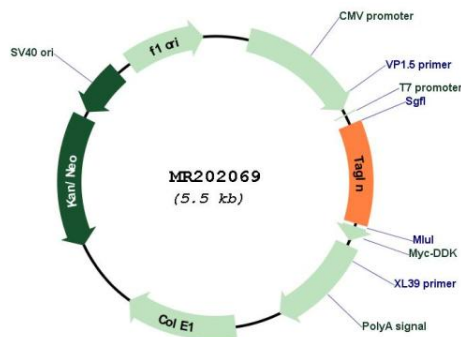
**UniProt ID:** [P37804](#)

**Cytogenetics:** 9 25.36 cM

**MW:** 22.6 kDa

**Gene Summary:** This gene encodes a smooth muscle cell-specific cytoskeletal protein. The encoded protein is structurally similar to calponin, an actin-binding protein. In mouse models of atherosclerosis the gene product may be involved in plaque cell and atherosclerotic lesion formation during atherogenesis. [provided by RefSeq, Mar 2010]

## Product images:



Circular map for MR202069