

Product datasheet for **MC200529**

TagIn (NM_011526) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: TagIn (NM_011526) Mouse Untagged Clone
Tag: Tag Free
Symbol: TagIn
Synonyms: Sm2; Sm22; Sm22a; Ws310
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC003795 sequence for NM_011526
CCCAGCCCAGACACCGAAGCTACTCTCCTTCCAGTCCACAAAACGACCAAGCCTTCTCTGCCTCAACATGG
CCAACAAGGGTCCATCCTACGGCATGAGCCGAGAAGTGCAGTCCAAAATTGAGAAGAAGTATGACGAGGA
GCTGGAGGAGCGACTAGTGGAGTGGATTGTAGTGCAGTGTGGCCCTGATGTAGGCCGCCAGATCGTGGG
CGCCTGGGCTTCCAGGTGTGGCTGAAGAATGGTGTGATTCTGAGCAAATTGGTGAACAGCCTGTATCCTG
AGGGATCGAAGCCAGTGAAGGTGCCTGAGAACCCACCCTCCATGGTCTTTAAGCAGATGGAACAGGTGGC
TCAATTCTTGAAGGCAGCTGAAGATTATGGAGTCATCAAGACTGACATGTTCCAGACTGTTGACCTCTAT
GAAGGTAAGGATATGGCAGCAGTGCAGAGGACTCTAATGGCTTTGGGCAGTTGGCTGTGACCAAAAACG
ATGGAACTACCGTGGAGATCCCAACTGGTTTATGAAGAAAGCCAGGAGCATAAGAGGGACTTCACAGA
CAGCCAACTGCAGGAGGGGAAGCAGTCATTGGCCTTCAAATGGCAGCAACAGAGGAGCCTCGCAGGCT
GGCATGACAGGCTATGGGCGACCCGGCAGATCATCAGTTAGAAAGGGAAGGCCAGCCCTGAGCTGCAGC
ATCCTGCTTAGCCTGCCTCACAATGCCTATGTAGGTTCTTAGCCCTGACAGCTCTGAGGTGCTACTGGG
CAAAGATGACTGCACATGGGCGAGCTCCCACCTATCCTTAGCCTCAGCCCAGCATCTTACCCAGAGCCAC
CACTGCCCTGGCCCTGTTCCCAGCTGTACCCCACTCTACTGTTCTCTCATCTGGAGTAAGCAGGG
AGAAGTGGGCTGGGGTAGCCTGGCTGTAGGCCAGCCACTGTCCTTGATATCGAATGTCCTTTGAAGGAG
ACCCAGCCCAGCCTCTACATCTTTTCTGGAATATGTTTTTGGGTTGAAATTCAAAAAGGAAAAAAGAAA
AATATATAAATATATATATATATAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_011526
Insert Size: 606 bp



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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 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](#)

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: [BC003795](#), [AAH03795](#)

RefSeq Size: 1089 bp

RefSeq ORF: 606 bp

Locus ID: 21345

UniProt ID: [P37804](#)

Cytogenetics: 9 25.36 cM

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]