

Product datasheet for **MC217391**

Samd1 (NM_001081415) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Samd1 (NM_001081415) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Samd1
Synonyms:	AA589507
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC217391 representing NM_001081415
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGGGCCCCGGCCCTACCCCGCCGGAGACGGCGGGCCGCCACCACGGCGCCGCCCGCTCGT
 CGTCCGCCGCTTCCCGCACTACCAAGAGTGGATTCTGGACACCATCGACTCGCTGCGCTCGCGCAAGGC
 GCGGCCGGACCTGGAGCGCATCTGCCGGATGGTGCGGCGCGGCACGGCCCGGAGCCGGAGCGCACGCGC
 GCGGAGCTCGAGAACTGATCCAGCAGCGCGCCGTGCTCCGGGTGAGTACAAGGGGAGCATCTCGTACC
 GCAACGCGGGCGCGTCCAGCCGCCCGCCGGAGCCACCCACCCGCCCGCCGCGGTCCCCCGCGG
 GGGCCCCCGCGCCGCCACGCGCCCGCCCGCCCGCCCGCCCGCCCGTCCGCCCGCCGACCCGGGCGCC
 CGCGCGCCCGCCACAGCGCCCTTCTCCCGCCCGCGCAGCCGGTCCCCGGGCGCAGCGGGCCG
 CGCCCTGGCCGCGCCACCAGCGCCCGCCCGCCCGCCCGCCCGCCCGCCCGCCCGCCCGCCCGCCCG
 TGCACCGCCCGCCCGTCCGCCCGGGAGCCCGCGCCGCCACAGCAGCAGCAGCCGCCACCGCCG
 CAGCCACAGCCCGCCCGGAGGGGGCGCGGGCGGGCGGGCGCCCGCCCGCCCGCCCGTGAAGCTCGGG
 AAGTCGTGCGCTACCTCGGGGGCAGTGGCGGCGCCAGCGCCGCCTCACTCGCGCCCGCTGACAGGGGT
 GCTGGAAGAGGAAGCGCGCGAGGCCGTCTGGAGCGCACCCGCCTGGGAGCGCTCGCGTACCCCGCGGA
 GACAGGCCGGGACGGGCGCCCGCCCGCCCGTACGCGACGCGCGCGGAGCAAGAGAGGTGGAGAAGAAC
 GGGTGTGTTGAGAAAGAAGAGGAAGATGAGGATGAAGACGAGGAGGAGGAGGAGGACAATGTATCTGA
 GGGCTCAGAAGTGCCCGAGAGTGACCGCCCGCAGGTGCTCAGCACCATCAGATTAATGGAGAGCGGGG
 CCTCAGAGTGCTAAGGAGAGGTCAAGGAGTGGTCCCGTGTGGACCCTACCAGGCCAGGATGAAGGAC
 GGGGACAGCACCTGGCAGCTGCACAGCGCAGGTGTTCCCGATGACAGCTGTGAATAAAGAGGGGGATC
 AGCTTGTGTTGGAGCAGCTCCAGATTCTCCATCTCCGGTGCCTTTCCTCCAGGAAAACAGCTCTACCT
 GGGGCTGATGGGACACCTTTTGGCTGTCTCCCGGGCGCAAGGAGAAGCCGACAGACCCAGTGGAGTGA
 CAGTCATGGATGTGGTGAATACTTCACTGAGCGGGCTTCCAGAGCAGGCCACTGCTTTTCAAGAGCA
 GGAAATTGATGGCAAGTCTTTGTTGCTCATGCAACGGACAGATGTGCTCACTGGCCTATCCATTCGCTG
 GGCCAGCCCTGAAGATCTACGAGCACCACATCAAGGTGCTTCAGCAAGGCCACTTTGAGGATGATGATC
 CTGATGGCCTTCTAGGC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001081415
- Insert Size:** 1560 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:

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_001081415.1](#), [NP_001074884.1](#)

RefSeq Size: 2071 bp

RefSeq ORF: 1560 bp

Locus ID: 666704

UniProt ID: [D3YXK1](#)

Cytogenetics: 8 C2

Gene Summary: May play a role in atherogenesis by immobilizing LDL in the atherial wall.[UniProtKB/Swiss-Prot Function]