

Product datasheet for **MC219705**

Men1 (NM_001168488) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Men1 (NM_001168488) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Men1
Synonyms:	AW045611
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >MC219705 representing NM_001168488
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCACCGCCCGCCGCATGGGGCTGAAGGCCGCCAGAAGACGCTGTTCCCTCTGCGCTCTATCGACG
 ACGTGGTGCGCCTGTTTCTGCAGAGCTGGGCCGAGAGGAGCCTGACCTGGTGCTCCTGTCTTGGTCTT
 GGGCTTCGTGGAGCATTTCCTGGCTGTCAACCGTGTATCCCCACCAACGTGCCGGAGCTCACCTCCAG
 CCCAGCCCCGACCCGACCTCCTGGTGGCCTCACCTACTTCCCGGTGGCCGACCTATCCATCATTGCTG
 CCCTCTATGCCGATTACCGCTCAGATCCGCGCGCTGTGGACCTCTCCCTCTATCCTCGAGAGGGAGG
 TGTTCCTAGTCGCGAACTGGTAAAAAGGTCTCGGATGTCATATGGAACAGCCTCAGCCGCTCTACTTC
 AAGGACCGGGCCACATCCAGTCCCTCTCAGCTTCATCACAGGCACAACTGGACAGCTCGGGCGTGG
 CCTTTGCAGTGGTAGGGCCTGCCAGGCTCTGGGTCTCAGAGATGCCATCTGGCCCTGTCTGAAGATCA
 TGCTTGGGTGGTGTGGGCCAACGGGAGCAGACAGCTGAGGTGACGTGGCACGGCAAAGGCAACGAG
 GACCGCAGAGGCCAGACAGTCAATGCCGGTGTGGCTGAGCGGAGCTGGTGTACCTGAAGGGTCTGACA
 TGGCTGCGACCGTAAGATGGAGGTGGCGTTCATGGTGTGTGCCATCAACCCCTCCATCGATCTTACAC
 TGACTCTTTGAACTGTTGCAACTACAGCAGAAGCTGCTCTGGCTGCTGTATGACCTCGGACATCTGGAA
 AGATACCCCATGGCGCTAGGGAACCTGGCAGACCTGGAGGAGCTGGAGCCTACCCCGGGCCGGCCAGACC
 CACTCACCTTTATCACAAGGGAATTGCCTCAGCTAAGACCTACTACCAGGATGAACACATCTACCCCTA
 CATGTACCTGGCTGGCTACCACTGTGCAACCGAAATGTGCGCGAAGCCCTGCAGGCTGGGCCGACACT
 GCCACTGTTATCCAAGACTACAACCTACTGCCGGGAGGATGAGGAGATCTACAAGGAATTCCTTTGAAGTGG
 CCAATGACGTCAATCCCAACCTGCTGAAGGAGCGGCCAGCCTGCTAGAAACAGGCGAAGAGCGGACTGG
 GGAGCAAGCCCAGGGCACCCAGGGCCAAGGTTCTGCTCTCCAGGACCCAGAATGCTTTGCCACCTGCTG
 CGATTTTATGATGGCATCTGCAATGGGAGGAGGTAGCCCCACACCACTACTGCACGTAGGCTGGGCAA
 CTTTCCTGTGTCAGTCCCTAGGCCGCTTCGAGGGACAGGTGCGGCAGAAGGTGCACATAGTTAGCCGGGA
 AGCAGAGGCGGCCGAGGCTGAAGAACCATGGGGGATGAAGCCCGAGAAGGCCGTGCGGCTGGTCCCGGA
 AGAGAGTCCAAGCCTGAGGAGCCACCACCACCAAGAAGCCTGCATTGGACAAGGGCCCGGGCTCAGGAC
 AAAGTGCAGGGTGGGACCCTAGGAAAACGTCAGGGACTGTCCAGGTACTACCCGCGTGGCCAGGA
 AGTCGGCAATGCTGCTCAGGCTCCAGCACCTGCAGCATCGCCACCCAGAGGGCCAGTGTCACTTTC
 CAGAGTGAGAAGATGAAAGGCATGAAGGAGCTACTGGTGGCCACCAAGATCAACTCGAGCGCCATCAAGC
 TGCAACTCACGGCACAGTCGCAAGTGCAGATGAAGAAACAGAAAGTGTCCACCCAGCGACTACACACT
 CTCTTTCCTAAAGCGGCAGCGCAAGGGCCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_001168488

Insert Size: 1854 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_001168488.1](#), [NP_001161960.1](#)

RefSeq Size: 2666 bp

RefSeq ORF: 1854 bp

Locus ID: 17283

UniProt ID: [O88559](#)

Cytogenetics: 19 A

Gene Summary: Essential component of a MLL/SET1 histone methyltransferase (HMT) complex, a complex that specifically methylates 'Lys-4' of histone H3 (H3K4). Functions as a transcriptional regulator. Binds to the TERT promoter and represses telomerase expression. Plays a role in TGFB1-mediated inhibition of cell-proliferation, possibly regulating SMAD3 transcriptional activity. Represses JUND-mediated transcriptional activation on AP1 sites, as well as that mediated by NFkB subunit RELA. Positively regulates HOXC8 and HOXC6 gene expression (By similarity). May be involved in normal hematopoiesis through the activation of HOXA9 expression. May be involved in DNA repair.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) encodes the longest isoform (a).