

Product datasheet for **MC226070**

Mea1 (NM_001277311) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mea1 (NM_001277311) Mouse Untagged Clone
Tag: Tag Free
Symbol: Mea1
Synonyms: Mea-1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226070 representing NM_001277311
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGCAGTAGTTCTAGGGGGAGACACCATGGGCCCTGAGCGTATCTTCCCAATCAGACTGAGGACT
TAGGGCCACATCAGGGTCTACAGAAGGAACTGGGGATTGGAGCAGTGAAGAACCCGAGGAAGAGCAGGA
GGAAACAGGAGCAGGCCAGCAGGCTACTCGTACCAGCCCTCAATCAAGACCCTGAACAAGAAGAGGTG
GAATTGGCACCAGTGGGTGAAGGAGAAGATGGAGCTGCTGACATCCAAGATCGGATCCAGGCCCTGGGGC
TTCATCTGCCAGACCCTCCATTGGAGAGTGAGGATGAAGATGAGGAGGGAGCCGCCGATTGAGCAGCCA
CAGCTCTATCCCATGGACCCAGAACATGTAGAGCTGGTAAAAGGACGATGGCTGGAGTAAGCCTGCCT
GCACCAGGGGTTCTGCCTGGGCTCGGGAGATCTCGGACGCTCAGTGGGAAGATGTGGTACAGAAAGCCC
TCCAAGCCCGGCAGGCATCCCCTGCCTGGAAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001277311
Insert Size: 525 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).



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OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none">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:	<u>NM_001277311.1</u> , <u>NP_001264240.1</u>
RefSeq Size:	858 bp
RefSeq ORF:	525 bp
Locus ID:	17256
UniProt ID:	<u>Q64327</u>
Cytogenetics:	17 22.9 cM
Gene Summary:	<p>May play an important role in spermatogenesis and/or testis development.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (4) has an alternate exon in place of the first exon compared to variant 1. The resulting isoform (b) is shorter at the N-terminus compared to isoform a. Variants 2, 3, 4, and 5 all encode the same isoform (b).</p>