

Product datasheet for **MR228281**

Mea1 (NM_001277311) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mea1 (NM_001277311) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Mea1
Synonyms: Mea-1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR228281 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGCAGTAGTTCTAGGGGAGACACCATGGGCCCTGAGCGTATCTCCCAATCAGACTGAGGACT
TAGGGCCACATCAGGGTCTACAGAAGAACTGGGATTGGAGCAGTGAAGAACCAGGAAAGAGCAGGA
GGAAACAGGAGCAGGCCAGCAGGCTACTCGTACCAGCCCTCAATCAAGACCCTGAACAAGAAGAGGTG
GAATTGGCACCAGTGGGTGAAGGAGAAGATGGAGCTGCTGACATCAAGATCGGATCCAGGCCCTGGGGC
TTCATCTGCCAGACCCTCATTGGAGAGTGAGGATGAAGATGAGGAGGGAGCCCGCATTGAGCAGCCA
CAGCTCTATCCCATGGACCCAGAACATGTAGAGCTGGTAAAAGGACGATGGCTGGAGTAAGCCTGCCT
GCACCAGGGTTCTGCCTGGGCTCGGGAGATCTCGGACGCTCAGTGGGAAGATGTGGTACAGAAAGCCC
TCCAAGCCCGCAGGCATCCCCTGCCTGGAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228281 protein sequence
Red=Cloning site Green=Tags(s)
MAAVVLGGDTMGPERIFPNQTEDLGPHQGPTTEGTDWSSEEPPEEQEETGAGPAGYSYQPLNQDPEQEEV
ELAPVGEGEDGAADIQDRIQALGLHLPDPPLSEDEDEEGAAALSSHSSIPMDPEHVELVKRTMAGVSLP
APGVPAWAREISDAQWEDVVQKALQARQASPAWK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



Cloning Scheme:


ACCN: NM_001277311

ORF Size: 522 bp

OTI Disclaimer: 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_001277311.1](#), [NP_001264240.1](#)

RefSeq Size: 858 bp

RefSeq ORF: 525 bp

Locus ID: 17256

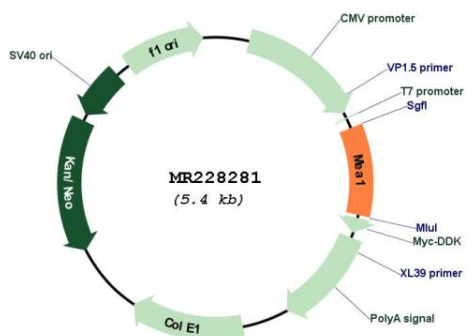
UniProt ID: [Q64327](#)

Cytogenetics: 17 22.9 cM

MW: 18.6 kDa

Gene Summary: May play an important role in spermatogenesis and/or testis development.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR228281