

## Product datasheet for **MC226187**

### Meaf6 (NM\_001290701) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Meaf6 (NM\_001290701) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Meaf6  
**Synonyms:** 2310005N01Rik; 2810036M01Rik  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC226187 representing NM\_001290701  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCGATGCACAACAAGACGGCGCCGCCGAGATCCCAGACACCCGGCGGGAGCTGGCCGAGCTGGTTA  
AGCGGAAGCAGGAGCTGGCGAAACACTTGCAAACCTGGAGAGACAGATATATGCTTTTGAAGGAAGCTA  
CCTGGAAGACACTCAGATGTATGGCAATATTATCCGTGGCTGGGATCGGTATTTGACCAATCAAAAGAAC  
TCCAATAGCAAAAACGACCGGAGGAACCGGAAGTTCAAGGAGGCCGAACGGCTCTTCAGCAAATCCTCAG  
TCACTCGGCTGCTGCAGTAAGTGCCTTGGCAGGGTTTCAGGACCAGCTCATCGAAAAGAGGGAACCCAGG  
AAGTGGGACGAAAGCGATACTTCTCCAGACTCCACAATCAGGAAAACGAGCCTGCGCAGGAGGACCCC  
GAGGACCTAGACGGCTCCGTCCAGGGAGTGAAACCTCAGAAAGCCGCCTCTCCACCTCCTCAGGAAGCC  
ACCACAGCAGCCAAAAAACGGAAGAATAAAAACCGGCACAGGATTGATCTGAAGTTAAACAAAAAGCC  
CCGAGCTGACTAT**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001290701  
**Insert Size:** 576 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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<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_001290701.1</a></u> , <u><a href="#">NP_001277630.1</a></u>
<b>RefSeq Size:</b>	1382 bp
<b>RefSeq ORF:</b>	576 bp
<b>Locus ID:</b>	70088
<b>UniProt ID:</b>	<u><a href="#">Q2VPQ9</a></u>
<b>Cytogenetics:</b>	4 D2.2
<b>Gene Summary:</b>	<p>Component of the NuA4 histone acetyltransferase complex which is involved in transcriptional activation of select genes principally by acetylation of nucleosomal histone H4 and H2A. This modification may both alter nucleosome - DNA interactions and promote interaction of the modified histones with other proteins which positively regulate transcription. Component of the HBO1 complex which has a histone H4-specific acetyltransferase activity, a reduced activity toward histone H3 and is responsible for the bulk of histone H4 acetylation in vivo. Component of the MOZ/MORF complex which has a histone H3 acetyltransferase activity (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) contains an alternate exon in 3' coding region and uses an alternate splice site in the 3' terminal exon, compared to variant 1. It encodes isoform 2, which is shorter and has a distinct C-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>