

Product datasheet for MR224817

Meaf6 (NM 027310) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Meaf6 (NM_027310) Mouse Tagged ORF Clone

Tag: Myc-DDK Symbol: Meaf6

Synonyms: 2310005N01Rik; 2810036M01Rik

Mammalian Cell Neomycin

Selection:

Vector: pCMV6-Entry (PS100001)

E. coli Selection: Kanamycin (25 ug/mL)

ORF Nucleotide Red=Cloning site Blue=ORF Green=Tags(s) Sequence:

TTTTGTAATACGACTCACTATAGGGCCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGGCGATGCACAACAAGACGGCGCCGCCGCAGATCCCAGACACCCGGCGGAGCTGGCCGAGCTGGTTA CCTGGAAGACACTCAGATGTATGGCAATATTATCCGTGGCTGGGATCGGTATTTGACCAATCAAAAGAAC TCCAATAGCAAAAACGACCGGAGGAACCGGAAGTTCAAGGAGGCCGAACGGCTCTTCAGCAAATCCTCAG TCACGTCGGCTGCTGCAGTAAGTGCCTTGGCAGGGGTTCAGGACCAGCTCATCGAAAAGAGGGAACCAGG AAGTGGGACGGAAAGCGATACTTCTCCAGACTTCCACAATCAGGAAAACGAGCCTGCGCAGGAGGACCCC GAGGACCTAGACGGCTCCGTCCAGGGAGTGAAACCTCAGAAAGCCGCCTCTTCCACCTCCTCAGGAAGCC

GCACCAGCTCCATCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

>MR224817 representing NM_027310 **Protein Sequence:**

Red=Cloning site Green=Tags(s)

>MR224817 representing NM_027310

MAMHNKTAPPQIPDTRRELAELVKRKQELAETLANLERQIYAFEGSYLEDTQMYGNIIRGWDRYLTNQKN SNSKNDRRNRKFKEAERLFSKSSVTSAAAVSALAGVQDQLIEKREPGSGTESDTSPDFHNQENEPAQEDP

EDLDGSVQGVKPQKAASSTSSGSHHSSHKKRKNKNRHRMNVSPQTGWHQLHL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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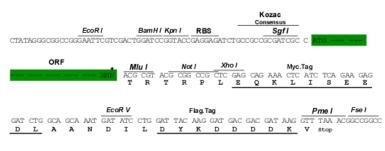
Chromatograms: https://cdn.origene.com/chromatograms/mm9060-e09.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_027310

ORF Size: 576 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.

RefSeg: NM 027310.5

RefSeq Size: 1070 bp
RefSeq ORF: 579 bp
Locus ID: 70088



UniProt ID: Q2VPQ9 **Cytogenetics:** 4 D2.2 MW: 21.7 kDa

Gene Summary: 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

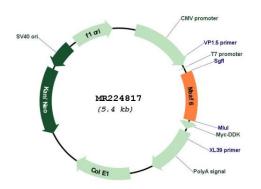
interaction of the modified histones with other proteins which positively regulate

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]

Product images:



Circular map for MR224817