

Product datasheet for MR228398

Meaf6 (NM_001290701) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Meaf6 (NM_001290701) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Meaf6
Synonyms: 2310005N01Rik; 2810036M01Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR228398 representing NM_001290701
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGATGCACAACAAGACGGCGCCGCCGAGATCCCAGACACCCGGCGGGAGCTGGCCGAGCTGGTTA
 AGCGGAAGCAGGAGCTGGCGAAACACTTGCAAACCTGGAGAGACAGATATATGCTTTTGAAGGAAGCTA
 CCTGGAAGACACTCAGATGTATGGCAATATTATCCGTGGCTGGGATCGGTATTTGACCAATCAAAAGAAC
 TCCAATAGCAAAAACGACCGGAGGAACCGGAAGTTCAAGGAGGCCGAACGGCTCTTCAGCAAATCCTCAG
 TCACTCGGCTGCTGCAGTAAGTGCCTTGGCAGGGTTTCAGGACCAGCTCATCGAAAAGAGGGAACCCAGG
 AAGTGGGACGGAAAGCGATACTTCTCCAGACTTCCACAATCAGGAAAACGAGCCTGCGCAGGAGGACCCC
 GAGGACCTAGACGGCTCCGTCCAGGGAGTGAAACCTCAGAAAGCCGCCTCTTCCACCTCCTCAGGAAGCC
 ACCACAGCAGCCACAAAAACGGAAGAATAAAAACCGGCACAGGATTGATCTGAAGTTAAACAAAAAGCC
 CCGAGCTGACTAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228398 representing NM_001290701
 Red=Cloning site Green=Tags(s)

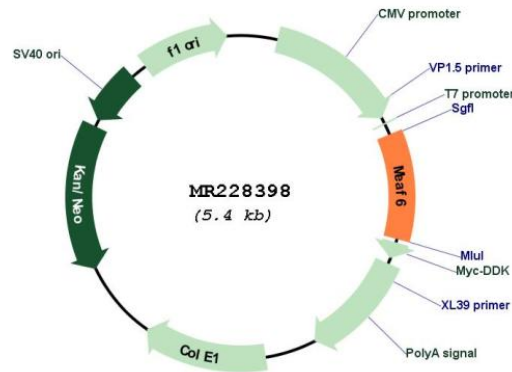
MAMHNKTAPPQIPDTRRELAELVKKRQELAETLANLERQIYAFEGSYLEDTQMYGNIIRGWDRYLTNQKN
 SNSKNDRNRKFKEAERLFSKSSVTSAAAVSALAGVQDQLIEKREPGSGTESDTSPDFHNQENEPAQEDP
 EDLDGSVQGVKPKAASSTSSGSHSSHKKRKNRHRIDLKLNKKPRADY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:

Plasmid Map:


ACCN: NM_001290701

ORF Size: 573 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_001290701.2](#)

RefSeq Size: 1382 bp

RefSeq ORF: 576 bp

Locus ID: 70088

UniProt ID: [Q2VPQ9](#)

Cytogenetics: 4 D2.2

MW: 22.1 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]