

Product datasheet for **MC225348**

Jmjd1c (NM_207221) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Jmjd1c (NM_207221) Mouse Untagged Clone
Tag: Tag Free
Symbol: Jmjd1c
Synonyms: 5430433L24Rik; D630035I23Rik; Jmjd1c; TRIP8
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC225348 representing NM_207221
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCGGTGGAGACGCGGCCGAGCTGGTGGGAAGCGTTCTGTGCGTGGCGGCCGGCAGGACGCGC
GTCCGGAGCGGGCAGAGCGGCTGCGGGCGGGTCCGAGCCGTGTCAGGCGGGGGTCCGAGCCGTGCCACCG
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 GAAGATGAAGTAGAGGATATGGAAGACCTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_207221
- Insert Size:** 7593 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).
- 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_207221.2](#), [NP_997104.2](#)

RefSeq Size: 8382 bp

RefSeq ORF: 7593 bp

Locus ID: 108829

Cytogenetics: 10 B5.1

Gene Summary: Probable histone demethylase that specifically demethylates 'Lys-9' of histone H3, thereby playing a central role in histone code. Demethylation of Lys residue generates formaldehyde and succinate. May be involved in hormone-dependent transcriptional activation, by participating in recruitment to androgen-receptor target genes (By similarity).
[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) encodes the longer isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.