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Product datasheet for MR218925

Jmjd1c (NM_207221) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Jmjd1c (NM_207221) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Jmjd1c
Synonyms:	5430433L24Rik; D630035I23Rik; Jmjdic; TRIP8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR218925 representing NM_207221
Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence:

>MR218925 representing NM_207221
Red=Cloning site Green=Tags(s)

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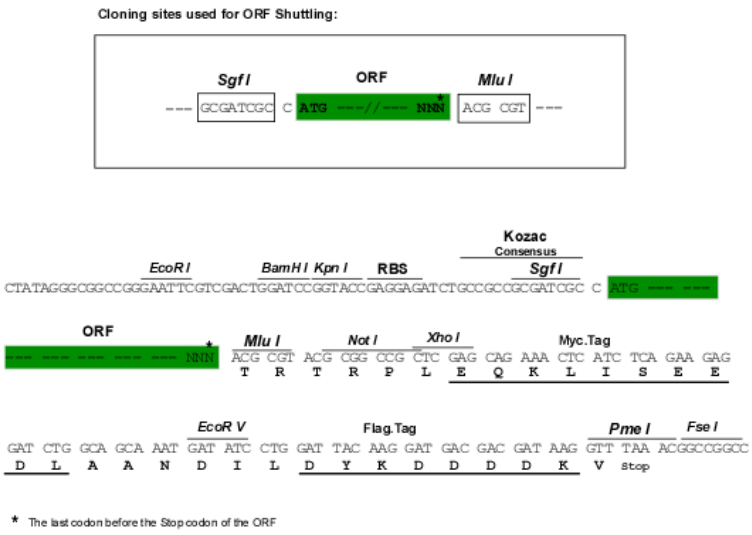
Chromatograms: https://cdn.origene.com/chromatograms/mm9041_c01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_207221

ORF Size: 7590 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_207221.3

RefSeq Size: 8382 bp

RefSeq ORF: 7593 bp

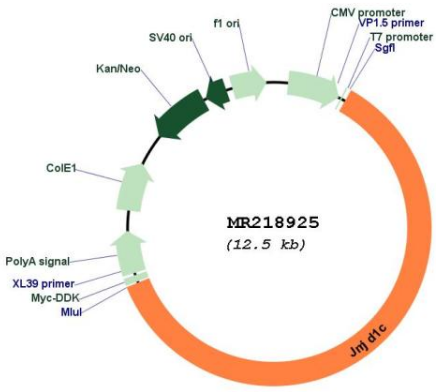
Locus ID: 108829

Cytogenetics: 10 B5.1

MW: 282 kDa

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]

Product images:



Circular map for MR218925