

Product datasheet for RR201086

Ehmt2 (NM_212463) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ehmt2 (NM_212463) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ehmt2
Synonyms:	Bat8; G9a; Ng36
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR201086 representing NM_212463 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

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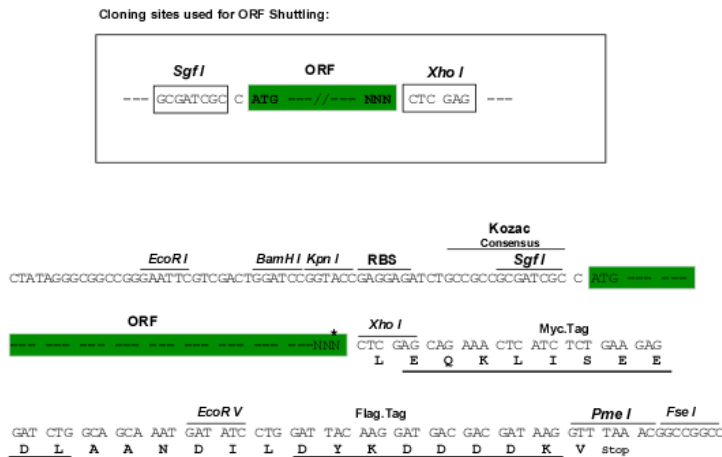
Protein Sequence: >RR201086 representing NM_212463
 Red=Cloning site Green=Tags(s)

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RGYENVPIPC VNGVDGEPCEPEDIKYISENCETSTMNIDRNI THLQHCTCVDDCSSNCLCGQLSIRCWYD
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INT
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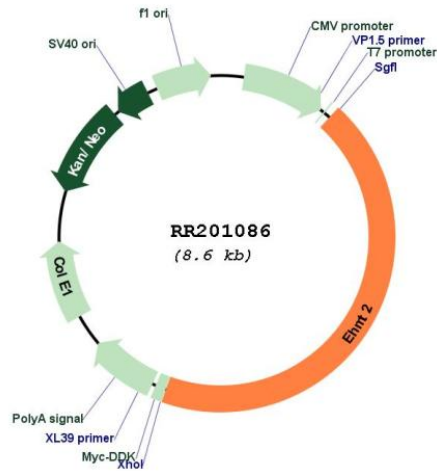
Restriction Sites: SgfI-XhoI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_212463

ORF Size: 3789 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_212463.1](#), [NP_997628.1](#)

RefSeq Size: 4023 bp

RefSeq ORF: 3792 bp

Locus ID: 361798

Cytogenetics: 20p12

MW: 138.1 kDa

Gene Summary: mouse homolog may act as a histone methyltransferase and may be involved in genetic imprinting [RGD, Feb 2006]