

Product datasheet for **RR207949**

Hmgn2 (NM_001025624) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hmgn2 (NM_001025624) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Hmgn2
Synonyms: Hmg17
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR207949 representing NM_001025624
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

**ATGCCAAAAGAAAGGCTGAAGGGGATGCTAAAGGAGACAAAGCCAAGGTGAAGGACGAGCCACAGAGAA
GATCTGCAAGGTTGTCTGCTAAACCTGCTCCTCAAAGCCAGAGCCCAAGCCTAAAAAGGCCCTGCAAA
GAAGGGAGAGAAGGTACCAAGGGGAAGAAGGGGAAAGCGGATGCTGGTAAGGATGCGAATAATCCTGCA
GAAAACGGAGATGCCAAAACAGACCAGGCACAGAAAGCGGACGGTCTGGAGATGCCAAG**

**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA**

Protein Sequence: >RR207949 representing NM_001025624
Red=Cloning site Green=Tags(s)

MPKRKAEGDAKGDKAKVKDEPQRRSARLSAKPAPPKPEPKPKKAPAKKGEKVPKGKKGKADAGKDANNPA
ENGDAKTDQAQKADGAGDAK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

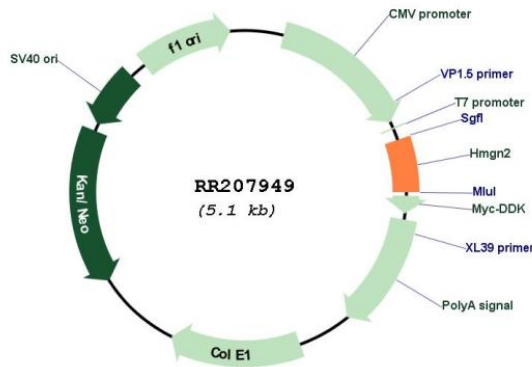


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001025624

ORF Size: 270 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:	<ol style="list-style-type: none">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:	<u>NM_001025624.2, NP_001020795.1</u>
RefSeq Size:	1253 bp
RefSeq ORF:	273 bp
Locus ID:	114637
Cytogenetics:	5q36
MW:	9.4 kDa
Gene Summary:	member of a family of non-histone chromosomal proteins [RGD, Feb 2006]