

Product datasheet for MR200269

Hmgn1 (NM_008251) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hmgn1 (NM_008251) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Hmgn1
Synonyms: HMG-14; Hmg14
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR200269 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCAAGAGGAAGGTTAGCGCGGATGGAGCCGCCAAGGCGGAGCCCAAGCGCCGCTCCGCGAGGCTGT
CGGCCAAGCCCGCCCTGCCAAGGTGGACGCGAAGCCGAAAAAGGCCGCGGAAAGGATAAAGCATCAGA
CAAAAAGTGCAGATAAAAGGGAAGAGGGGAGCGAAGGGCAAACAGGCTGACGTGGCTGACCAGCAAACC
ACAGAGCTGCCTGCAGAAAATGGAGAGACGAAAACCAGAGTCCAGCCTCTGAAGAAGAGAAAGAAGCTA
AGTCCGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR200269 protein sequence
Red=Cloning site Green=Tags(s)
MPKRKVSADGAAKAEPKRRSARLSAKPAPAKVDAPKKAAGKDKASDKKVQIKGKRGAKGKQADVADQQT
TELPANGETENQSPASEEEKEAKSD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



[View online »](#)

Cloning Scheme:


ACCN: NM_008251

ORF Size: 291 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_008251.3](#), [NP_032277.3](#)

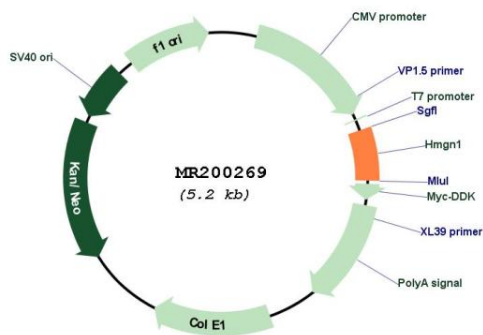
RefSeq Size: 1200 bp

RefSeq ORF: 291 bp

Locus ID: 15312
UniProt ID: [P18608](#)
Cytogenetics: 16 56.83 cM
MW: 10.2 kDa

Gene Summary: Binds to the inner side of the nucleosomal DNA thus altering the interaction between the DNA and the histone octamer. May be involved in the process which maintains transcribable genes in a unique chromatin conformation. Inhibits the phosphorylation of nucleosomal histones H3 and H2A by RPS6KA5/MSK1 and RPS6KA3/RSK2.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR200269