

## Product datasheet for **RC212821**

### HMGN2 (NM\_005517) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** HMGN2 (NM\_005517) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** HMGN2  
**Synonyms:** HMG17  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC212821 representing NM\_005517  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCCAAGAGAAAGGCTGAAGGGGATGCTAAGGGAGATAAGCAAAGGTGAAGGACGAACCACAGAGAA  
GATCCGCGAGGTTGTCTGCTAAACCTGCTCCTCAAAGCCAGAGCCCAAGCCTAAAAAGGCCCTGCAAA  
GAAGGGAGAGAAGGTACCCAAAGGGAAAAAGGGAAAAGCTGATGCTGGCAAGGAGGGGAATAACCTGCA  
GAAAATGGAGATGCCAAACAGACCAGGCACAGAAAGCTGAAGGTGCTGGAGATGCCAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC212821 representing NM\_005517  
Red=Cloning site Green=Tags(s)  
  
MPKRKAEGDAKGDKAKVKDEPQRRSARLSAKPAPPKPEPKPKKAPAKKGEKVPKGKKGKADAGKEGNNPA  
ENGDAKTDQAQKAEGAGDAK

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI



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## Cloning Scheme:



ACCN: NM\_005517

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:

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.

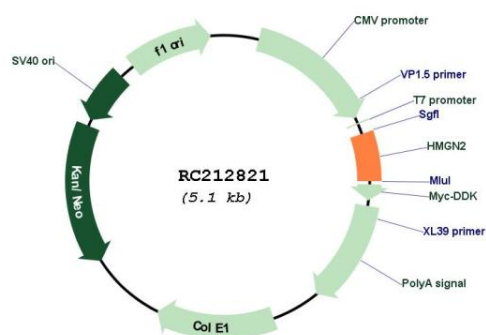
RefSeq: [NM\\_005517.4](#)

RefSeq Size: 1306 bp

RefSeq ORF: 273 bp

Locus ID:	3151
UniProt ID:	<a href="#">P05204</a>
Cytogenetics:	1p36.11
Domains:	HMG14_17
Protein Families:	Druggable Genome, Transcription Factors
MW:	9.2 kDa
Gene Summary:	The protein encoded by this gene binds nucleosomal DNA and is associated with transcriptionally active chromatin. Along with a similar protein, HMGN1, the encoded protein may help maintain an open chromatin configuration around transcribable genes. The protein has also been found to have antimicrobial activity against bacteria, viruses and fungi. [provided by RefSeq, Oct 2014]

## Product images:



Circular map for RC212821