

## Product datasheet for **SC116703**

### HMGN2 (NM\_005517) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	HMGN2 (NM_005517) Human Untagged Clone
Tag:	Tag Free
Symbol:	HMGN2
Synonyms:	HMG17
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_005517, the custom clone sequence may differ by one or more nucleotides

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ATGCCCAAGAGAAAGGCTGAAGGGGATGCTAAGGGAGATAAAGCAAAGGTGAAGGACGAACCCACAGAGAA  
GATCCGCGAGGTTGTCTGCTAACCTGCTCCTCAAAGCCAGAGCCCAAGCCTAAAAAGGCCCTGCAAA  
GAAGGGAGAGAAGGTACCCAAAGGGAAAAAGGGAAAAAGCTGATGCTGGCAAGGAGGGGAATAACCTGCA  
GAAAATGGAGATGCCAAAACAGACCAGGCACAGAAAGCTGAAGGTGCTGGAGATGCCAAGTGA
```



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_005517 unedited AAAATCATGTA CTTCTATGAGGGNCGGCACGCCCAATTCGCACGAGGAAGAGGCGAGA ACGACCCCGGACCGACCAAAGCCCGCGCCGCTGCATCCC GCGTCCAGCACCTACGTC CCGCTGCCGTCGCCGCCGCCACCATGCCAAGAGAAAGGCTGAAGGGGATGCTAAGGGAG ATAAAGCAAAGGTGAAGGACGAACCACAGAGAATTATCCGCGAGGTTGTCTGCTAAACCT GTCCTCCAAAGCCAGAGCCCAAGCCTAAAAAGGCCCTGCAAAGAAGGGAGAGAAGGTA CCCAAAGGGAAAAAGGGAAAAGCTGATGCTGGCAAGGAGGGGAATAACCCGTCAGAAAAT GGAGATGCCAAAACAGACCAGGCACAGAAAGCTGAAGGTGCTGGAGATGCCAAGTGAAGT GTGTGCATTTTTGATAACTGTGTA CTTCTGGTACTGTACAGTTTGAAATACTATTTTTT ATCAAGTTTTATAAAAATGCAGAA TTTTGTCTTTACTTTTTTTTTTTTTTTAAAAGCTATG TTGTTAGCACACAGAACACTTCATTGTTGTTTTGGGGAAAGGGGCATATGCTACTAATA GAATGTCTCCAAAGCTGGATTGATGTGGAGAAAACACCTTCCCTTCTAGTTTTGAGAGA CTTCTCTGGCTCCCAGGAGGAGGATCCCTGACTTTGACACACATGGCCACCTTGGC ACAAAAGCCTTGTGGTATAGAAAA CAAATTTGNTTTTATGCTCTTCTCCCTTTCCAT CTTTCAGCATAGACTTAACTCCCTTAAGCCAGACATCTGTTGAGACCTGACCCCTAGTCA TTGGNTACCAGTGTGTCAGGCAATCTGGACTTTCAGTGATGCCACTGAGATGGCACTGT CAAAGAGCAGNGGTCCATTTCTAGATGNGGATCTCAGATAATNCTGCCATTTTCATTNCAC TCCTGAAGA
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_005517
<b>Insert Size:</b>	3460 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_005517.2</a></u> , <u><a href="#">NP_005508.1</a></u>
<b>RefSeq Size:</b>	1306 bp
<b>RefSeq ORF:</b>	273 bp
<b>Locus ID:</b>	3151
<b>UniProt ID:</b>	<u><a href="#">P05204</a></u>
<b>Cytogenetics:</b>	1p36.11
<b>Domains:</b>	HMG14_17
<b>Protein Families:</b>	Druggable Genome, Transcription Factors

**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]