

## Product datasheet for **RG212821**

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

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** HMGN2 (NM\_005517) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** HMGN2  
**Synonyms:** HMG17  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG212821 representing NM\_005517  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGCATCGCC

ATGCCAAGAGAAAGGCTGAAGGGGATGCTAAGGGAGATAAAGCAAAGGTGAAGGACGAACCACAGAGAA  
 GATCCGCGAGGTTGTCTGCTAACCTGCTCCTCAAAGCCAGAGCCCAAGCCTAAAAAGGCCCTGCAAA  
 GAAGGGAGAGAAGGTACCCAAAGGGAAAAAGGGAAAAGCTGATGCTGGCAAGGAGGGGAATAACCTGCA  
 GAAAATGGAGATGCCAAAACAGACCAGGCACAGAAAGCTGAAGGTGCTGGAGATGCCAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG212821 representing NM\_005517  
 Red=Cloning site Green=Tags(s)

MPKRKAEGDAKGDKAKVKDEPQRRSARLSAKPAPPKPEPKKAPAKKGEKVPKGGKADAGKEGNPA  
 ENGDAKTDQAQKAEGAGDAK

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

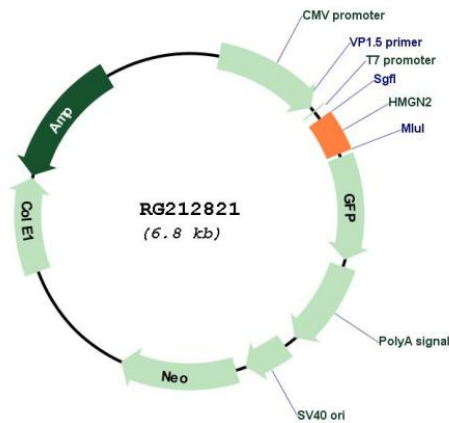


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Cloning Scheme:



Plasmid Map:



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](#)

<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_005517.4</a>
<b>RefSeq Size:</b>	1306 bp
<b>RefSeq ORF:</b>	273 bp
<b>Locus ID:</b>	3151
<b>UniProt ID:</b>	<a href="#">P05204</a>
<b>Cytogenetics:</b>	1p36.11
<b>Domains:</b>	HMG14_17
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>Gene Summary:</b>	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]