

## Product datasheet for **RC219256**

### **HMG2L1 (HMGXB4) (NM\_001003681) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	HMG2L1 (HMGXB4) (NM_001003681) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HMG2L1
Synonyms:	HMG2L1; HMGBCG; P53N; THC211630
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC219256 representing NM\_001003681  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTTATGATGACTCCGTGAAGAAAGAAGATTGTTTTGATGGTGATCATACTTTGAGGACATAGGAC  
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 TGCTGCTCAGGTCAGGAATCTTCCAAGAAGAAGTTGAAGGATAGTGAACTTTACTTCTTGGGGACGGAC  
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 TCGGAGAGTAAAAAGGAGCACCACAGGAAGAAAGTCAGTGAAGCAGTGGGAACTACCCCTAGAGGATG  
 GTGGCTCCCAAAATCGAAAAAATGAAACCTCTCTATGTGAACACAGAGACTGACCTTCGGGAGCC  
 TGATGGTTTTAAAAATGAAACTTATTCTGTACCAAAGGAGAAGGGAAGCAGCTCTGTTGATGAGGAGTCT  
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 CTTTACTCCTAGGACATGAGTTACAGAGCTTTCTGAAAAACAGCCGGAAAAAGCACAAGTATCCTCAGA  
 CGCACATTCATCTCCTGGCCCTGAAGGCTGTGGGTCTGACGCCTCCAGTTCGCAGAGTCCACAGTGCT  
 AACCTTGATCTTTCAGGGCTTGAACCTATTCTGGTAGAATCAGACTCATCCTCTGGTGGGAACTAGAGG  
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 GAAGAAAGACAAGGAGAAGCATAAAGAGAAGCGACTCCAAGTCCAAGAGAAGTTTAGGACTTTCTGCC  
 GTGCCAGTGGGAGAGGTCACAGTGACATCTGGCCCTCTCCAGCATCCCATACGCTGGAGCAGCAGCAC  
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 CATTGGACACCGTCTGCAGGAACTGAGGGTATGGTGGCTGTGTCTGCCAGTTTGTCAGTGCTTCTGGAT  
 TCCATTATCTGTGCCCTTGGCCCTTGGCATGTCTCACCACAACTACCTGAATTGAATGGCTGTCCCA  
 AACAGGCTTGTCAAACACATTAGACAACATTGCTTACATCATGCCGGGACTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC219256 representing NM\_001003681  
 Red=Cloning site Green=Tags(s)

MAYDSSVKKEDCFDGDHTFEDIGLAAGRSQREKKRSYKDFLREEEI IAAQVRNSSKKLKDSELYFLGTD  
 THKKKRKHSSDDYYGDISSLESQKKKKSSPQSTDTAMDLLKAITSPLAAGSKPSKKTGEKSSGSSSH  
 SESKKEHHRKKS VSGSGELPLEDGGSHKSKMKPLVYNTETLTLREPDGLKMKLILSPKEKGS SSVDEES  
 FOYPSQQATVKKSSKKSARDEQ GALLLGHQLQSFLKTARKKHKSSSDAHSSPGECCGSDASQFAESHS  
 A NLDLSGLEPILVESDSSSGGELEAGELVIDDSYREIKKKKSKKSKKKKDKKHEKHEKRSKSKRSLGLSA  
 VPVGEVTVTSGPPPSIPYAGAAAPPLPLPGLHTDGHSEK KKKKEEKDKERERGERKPKKKNMSAYQVFCKE  
 YRVTIVADHPGIDFGELSKKLAEVWKQLPEKDKLIWKQKAQYLQHKQNKAEATTVKRKASSSEGS MKVKA  
 SSVGVLSPQKSPPTTMLLPASPAKAPETEPIDVAHLQLLGE SLSLIGHRLQETEGMVAVSGSLSVLLD  
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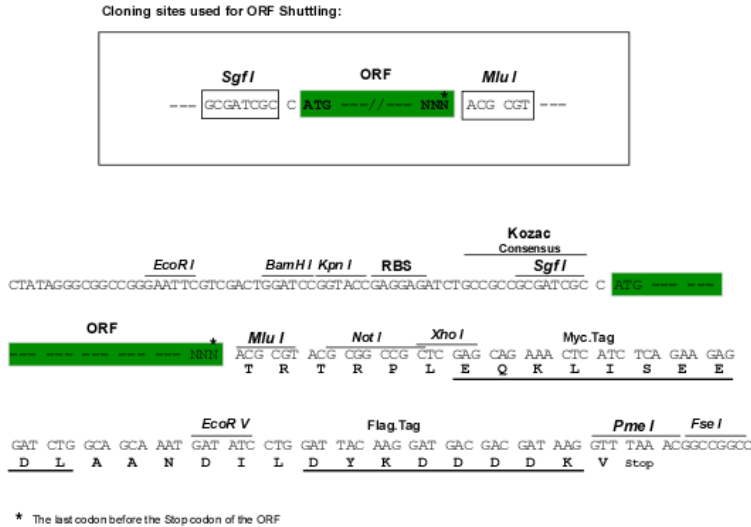
**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk8069\\_b09.zip](https://cdn.origene.com/chromatograms/mk8069_b09.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001003681

**ORF Size:** 1803 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\\_001003681.3](#)

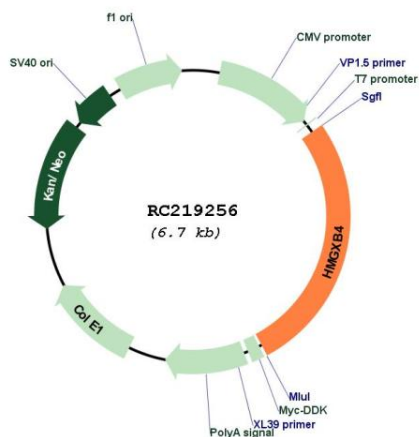
**RefSeq Size:** 4105 bp

**RefSeq ORF:** 1806 bp

**Locus ID:** 10042

**UniProt ID:** [Q9UGU5](#)  
**Cytogenetics:** 22q12.3  
**Protein Families:** Transcription Factors  
**MW:** 65.5 kDa  
**Gene Summary:** High mobility group (HMG) proteins are nonhistone chromosomal proteins. See HMG2 (MIM 163906) for additional information on HMG proteins.[supplied by OMIM, Nov 2010]

**Product images:**



Circular map for RC219256