

Product datasheet for **RG219256**

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:	TurboGFP
Symbol:	HMG2L1
Synonyms:	HMG2L1; HMGBCG; P53N; THC211630
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG219256 representing NM_001003681
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTTATGATGACTCCGTGAAGAAAGAGATTGTTTTGATGGTGATCATACTTTGAGGACATAGGAC
 TTGCAGCTGGCCGAGCCAACGAGAGAAAAACGTTCTTACAAAGATTTTTAAGGGAAGAGGAAGAAAT
 TGCTGCTCAGGTCAGGAATCTTCCAAGAAGAAGTTGAAGGATAGTGAACTTTACTTCTTGGGGACGGAC
 ACACACAAGAAGAAGAGGAAGCACTCCTCTGATGATTACTACTATGGAGATATTTCTGCTTTGGAATCGT
 CACAGAAGAAAAAGAAAAAGTCCAGCCACAGTCTACTGATACAGCTATGGACCTGTTGAAAGCTATCAC
 TTCCCCACTGGCAGCAGGCTCCAAGCCCTCAAAAAAGACTGGGGAGAAATCCTCTGGCTCTTCAAGCCAT
 TCGGAGAGTAAAAAGGAGCACCACAGGAAGAAAGTCAGTGAAGCAGTGGGGAACACCCCTAGAGGATG
 GTGGCTCCACAAATCGAAAAAATGAAACCTCTCTATGTGAACACAGAGACTGACCCCTCGGGAGCC
 TGATGGTTTTAAAAATGAAACTTATTCTGTACCAAAGGAGAAGGGAAGCAGCTCTGTTGATGAGGAGTCT
 TTTCAATATCCCTCCCAACAAGCGACTGTGAAAAATCCTCAAAGAAATCAGCTCGGGATGAGCAGGGTG
 CTTTACTCCTAGGACATGAGTTACAGAGCTTTCTGAAAACAGCCCGAAAAAGCACAAGTCATCCTCAGA
 CGCACATTCATCTCCTGGCCCTGAAGGCTGTGGGTCTGACGCCTCCAGTTCGCAGAGTCCACAGTGCT
 AACCTTGATCTTTCAGGGCTTGAACCTATTCTGGTAGAATCAGACTCATCCTCTGGTGGGGAAGTAGAGG
 CTGGGGAGTTAGTGATAGATGATTTTACCAGAGAAATCAAGAAGAAAAAGAGTCAAAGAAGAGCAAAAA
 GAAGAAAGACAAGGAGAAGCATAAAGAGAAGCGCACTCCAAGTCCAAGAGAAGTTTAGGACTTTCTGCC
 GTGCCAGTGGGAGAGGTCACAGTGACATCTGGCCCTCTCCAGCATCCCATACGCTGGAGCAGCAGCAC
 CTCCCCTGCCACTTCTGGCCTCACACAGATGGGCATAGTGAAGAAAAAGAAAAAGAAAAAGAGAAAGGA
 CAAAGAGAGAGAGAGAGAGAAAAAGCCAAAAAGAAAGAACATGTGCGCCTACCAGGTGTTCTGTAAAGAG
 TATCGCGTGACCATTTGTGGCTGACCATCCAGGTATAGATTTGGGGAAGTAGTAAAAAACTGGCTGAGG
 TGTGGAAGCAATTACCAGAAAAAGACAACTGATTTGGAAGCAAAAAAGCTCAGTATCTGCAGCACAAACA
 GAACAAAGCAGAAGCCACAACGTGAAAAGGAAAGCATCCAGCTCAGAAGGTTCCATGAAAGTCAAAGCC
 TCTTCTGTAGGAGTACTGTACCCCAAGAAAGTCCCAAGGAGGAGTGTGTTACCAGCCTCACCAG
 CCAAGCCCTGAGACAGAGCCATTGATGTTGCTGCTCATCTCAGCTGTTGGGAGAGTCCCTAAGCCT
 CATTGGACACCGTCTGCAGGAACTGAGGGTATGGTGGCTGTGTCTGCCAGTTTGTGAGTCTTCTGGAT
 TCCATTATCTGTGCCCTTGGCCCTTGGCATGTCTCACCACAACTACCTGAATTGAATGGCTGTCCCA
 AACAGGCTTGTCAAACACATTAGACAACATTGCTTACATCATGCCGGGACTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG219256 representing NM_001003681
 Red=Cloning site Green=Tags(s)

MAYDSSVKKEDCFDGDHTFEDIGLAAGRSQREKKRSYKDFLREEEI IAAQVRNSSKKKLKDSLEYFLGTD
 THKKKRKHSSDDYYYGDISSLESSQKKKKSSPQSTDTAMDLLKAITSPLAAGSKPSKKTGEKSSGSSSH
 SESKKEHHRKVVSGSSGELPLEDGGSHKSKMKPLVYNTETLTLREPDGLKMKLILSPKEKSSSSVDEES
 FQYPSQQATVKKSSKSARDEQGALLLGHQLSFLKTARKKHKSSSDAHSSPGPEGCGSDASQFAESHS
 NLDLSGLEPILVESDSSSGELEAGELVIDDSYREIKKKKSKSKKKKDKKHKRHSKSKRSLGLSA
 VPVGEVTVTSGPPPSIPYAGAAAPPLPLPGLHTDGHSEKKKKKKEEKDEREREGEPKKNMSAYQVFC
 KE YRVTIVADHPGIDFGELSKLAEVWKQLPEKDKLIWKQKAQYLQHKQNKAEATTVKRKASSSEGS
 MKVKA SSVGVLSPOKSPPTTMLLPASPAKAPETEPIDVAHLQLLGSLSLIGHRLQETEGMVAVSGLSV
 LLD SIICALGPLACLTTQLPELNGCPKQVLSNTLDNIAYIMPGL

TRTRPLE - GFP Tag - V

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

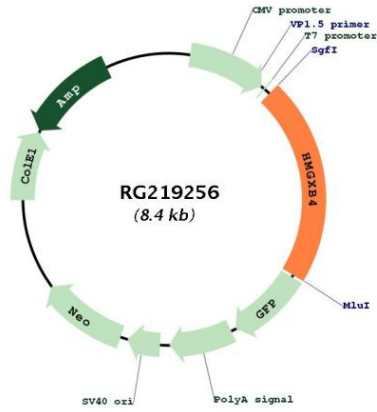
UniProt ID: [Q9UGU5](#)

Cytogenetics: 22q12.3

Protein Families: Transcription Factors

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 RG219256