

Product datasheet for **SC111638**

HMGA1 (NM_002131) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HMGA1 (NM_002131) Human Untagged Clone
Tag:	Tag Free
Symbol:	HMGA1
Synonyms:	HMG-R; HMGA1A; HMG1Y
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC111638 sequence for NM_002131 edited (data generated by NextGen Sequencing) ATGAGTGAGTCGAGCTCGAAGTCCAGCCAGCCCTTGGCCTCCAAGCAGGAAAAGGACGGC ACTGAGAAGCGGGCCGGGGCAGGCCGCGCAAGCAGCCTCMGAAGGAGCCAGCGAAGTG CCAACACCTAAGAGACCTCGGGGCCGACCAAAGGGAAGCAAAAACAAGGGTGCTGCCAAG ACCCGGAAAACCAACCAACTCCAGGAAGGAAACCAAGGGGCAGACCCAAAAAACTGGAG AAGGAGGAAGAGGAGGGCATCTCGCAGGAGTCCTCGGAGGAGGAGCAGTGA Clone variation with respect to NM_002131.3 101 c=>m



[View online »](#)

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_002131 unedited TCTATATTTGTAACGACTTACNTATAGGGCGGCCGGAATTCGCACGAGNATCCGCATT TGCTACCAGCGCGGCCGCGCGGAGCCAGGCCGGTCTCAGCGCCAGCACCCGCGCTC CCGGCAACCCGGAGCGCGCACCCGAGGCCGGCGGCGAGCTCGCGCATCCCAGCCATCAC TCTTCCACCTGCTCCTTAGAGAAGGGAAGATGAGTGAGTCGAGCTCGAAGTCCAGCCAGC AGCAGCTCCGGTGAGTCCCGGACAGCGCTGGTAGGGAGTCAGAAGGAGCCAGCGAAG TGCCAACACCTAAGAGACCTCGGGCGGACCAAAGGGAAGCAAAAACAAGGGTGCTGCCA AGACCCGAAAAACCAACAACCTCCAGGAAGGAAACCAAGGGGAGACCCAAAAAAGTGG AGAAGGAGGAAGAGGAGGCATCTCGCAGGAGTCTCGGAGGAGGAGCAGTGACCCATGC GTGCCGCTGCTCCTCACTGGAGGAGCAGCTTCTTCTGGGACTGGACAGCTTTGCTCCG CTCCACCGCCCCCGCCCTTCCCAGGCCACCATCACCACCGCTCTGGCCGCCACCC CCATCTTCCACCTGTGCCCTCACCACCACACTACACAGCACACCAGCCGCTGCAGGGCTC CCATGGGCTGAGTGGGAGCAGTTTTCCCTGGCCTCAGTCCCAGCTCCCCCGGCCAC CCACGCATACACATGCCCTCCTGGGACAAGGCTAACAAATCCCACTTAGCCGCACCTG CACCTGCTGCGTCCCCTCCCTGGTGNAGCGACATTGCTCTCTGGCCTTTGATTGG GGGCGCCCTCTGCTCCTTCTGTTACCTTTGCCTCCCTAAGGGGGCTGGAAGGTC</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_002131 unedited TATGAACCGCCNCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT TTTTTTTTTTTTTTCCAAAAAAGGATATTTTTTTTATTCAAGTACCTGCAAATAGGAAA CCAAAGAGGGACCCCGAGCTGGGACAAATAATGGTTACCCCTCCCAACAAAACAGGGG GAGGAGGGGGCCCTACACCCTTATGGCCGATTCGGGCCCTTGTCTACTCTGCTGAA GAATCCTAGGGGAGGGCCACCTTCCCTGGGACTGGGGTAGTCGGTAACCCAACCTGC CTTGCCCCAGCCCTTTTCCCAAAAAAGTATCTTGGGGGAGGGGATCGGGGGCAAAAC AGGAGGCAATGAGGATGAACATTTGGCGCTGGTAGCACCACCAATGACGGATGTCAAAA ATGGAACATTGAACAAAAACAACAACCTGCCAAAGGTAGTTTGGGAACAAAGGAAAA ATGGACCAAAACCTTGGGGGACAGGAAGGACCAAAAGGGGGTGGAAACCGGCCAGGGT AACCTCCTTGTATTGGTGGCCCATCTGAGGAGGGGAAATGGCTGAGTGGCGGAACCA AGTAGGTTAGGGGACCCCCACCCCACTAAGGTGGGGGCCACAGGGGCTCTTGGCC CTAACCTGGACAATAAGGGACTGCATTTCCATCACACATTATGACCTCAGACCCAGGC GGAGGGCAAGGGGCTGTGCCCAAGTAAAAGGGAGTAGGGGACTCACCCCTCTGCCTT TCTTGTACCAAGGGGCTGTCCAACCTAATCCGGGACTATGGAAAGTTGGGAAGGTAA CAAAAGGAGCCCCACGTGGTGACAAAAAAGTTTTGTCTGGGAGAAATCCTGGGGACCA CCACCCCTTTCATTGGGCCACACCTGNNTGTTGCCA</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_002131
Insert Size:	2000 bp
OTI Disclaimer:	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).
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:	<ol style="list-style-type: none">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_002131.2 , NP_002122.1
RefSeq Size:	1887 bp
RefSeq ORF:	291 bp
Locus ID:	3159
UniProt ID:	P17096
Cytogenetics:	6p21.31
Protein Families:	Druggable Genome, Stem cell - Pluripotency, Stem cell relevant signaling - JAK/STAT signaling pathway, Transcription Factors
Gene Summary:	<p>This gene encodes a chromatin-associated protein involved in the regulation of gene transcription, integration of retroviruses into chromosomes, and the metastatic progression of cancer cells. The encoded protein preferentially binds to the minor groove of AT-rich regions in double-stranded DNA. Multiple transcript variants encoding different isoforms have been found for this gene. Pseudogenes of this gene have been identified on multiple chromosomes. [provided by RefSeq, Jan 2016]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site compared to variant 1, resulting in a shorter isoform (b, also called HMG-Y) than isoform a. Variants 2, 4, 5, 7, and 8 encode the same isoform (b). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>