

Product datasheet for RC200750

HMGB2 (NM_002129) Human Tagged ORF Clone

Product data:

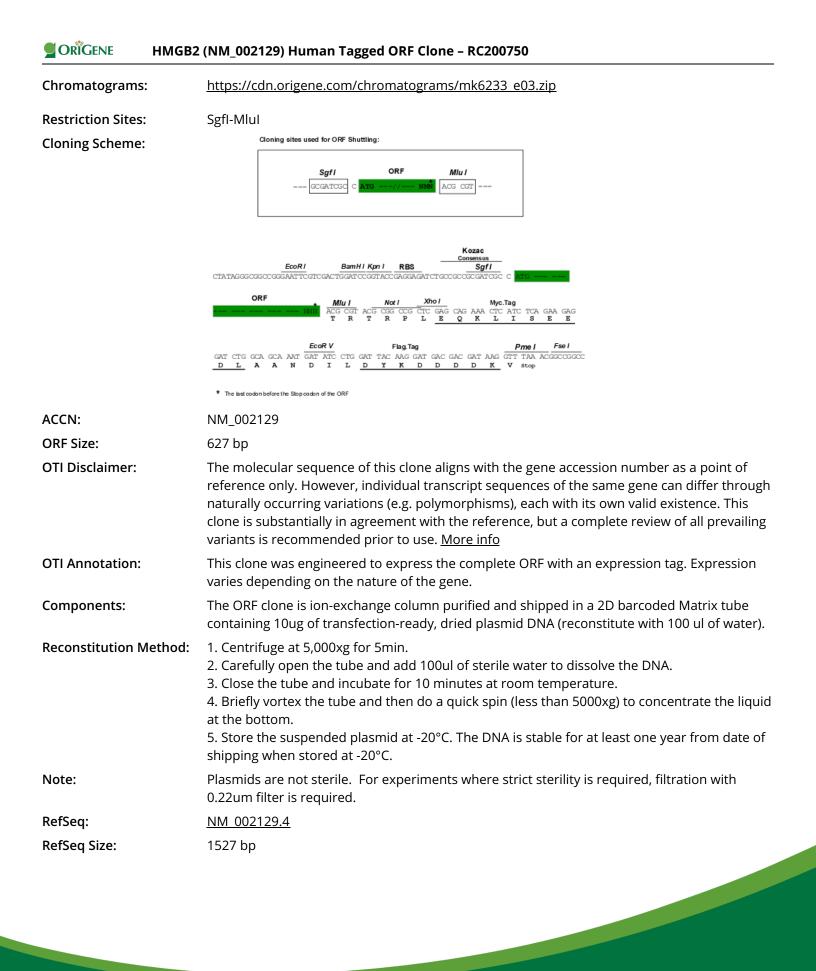
OriGene Technologies, Inc.

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Product Type:	Expression Plasmids
Product Name:	HMGB2 (NM_002129) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HMGB2
Synonyms:	HMG2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC200750 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGGGTAAAGGAGACCCCCAACAAGCCGCGGGGCAAAATGTCCTCGTACGCCTTCTTCGTGCAGACCTGCC GGGAAGAGCACAAGAAGAAACACCCCGGACTCTTCCGTCAATTTCGCGGAATTCTCCAAGAAGTGTTCGGA GAGATGGAAGACCATGTCTGCAAAGGAGAAGTCGAAGTTTGAAGATATGGCAAAAAGTGACAAAGCTCGC TATGACAGGGAGATGAAAAATTACGTTCCTCCCAAAGGTGATAAGAAGGGGAAGAAAAAGTGACAAAGCCCCAATG CTCCTAAAAGGCCACCATCTGCCTTCTTCCTGTTTTGCTCTGAACATCGCCCAAAGATCAAAAGTGAACA CCCTGGCCTATCCATTGGGGATACTGCAAAGAAAATTGGGTGAAATGTGGTCTGAGCAGTCAGCCAAAGAT AAACAACCATATGAACAGAAAGCAGCTAAGCTA
	ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG GTTTAA
Protein Sequence:	<pre>>RC200750 protein sequence Red=Cloning site Green=Tags(s)</pre>
	MGKGDPNKPRGKMSSYAFFVQTCREEHKKKHPDSSVNFAEFSKKCSERWKTMSAKEKSKFEDMAKSDKAR YDREMKNYVPPKGDKKGKKKDPNAPKRPPSAFFLFCSEHRPKIKSEHPGLSIGDTAKKLGEMWSEQSAKD KQPYEQKAAKLKEKYEKDIAAYRAKGKSEAGKKGPGRPTGSKKKNEPEDEEEEEEEEEDEDEEEEDEDEE TRTRPLEQKLISEEDLAANDILDYKDDDDKV



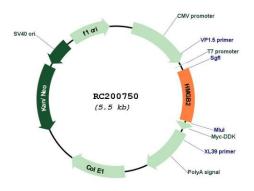
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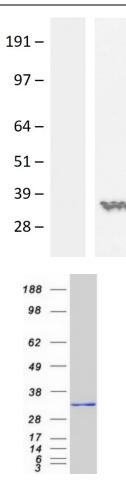
	HMGB2 (NM_002129) Human Tagged ORF Clone – RC200750
RefSeq ORF:	630 bp
Locus ID:	3148
UniProt ID:	<u>P26583</u>
Cytogenetics:	4q34.1
Domains:	HMG
Protein Families:	Druggable Genome, Transcription Factors
MW:	24 kDa
Gene Summary:	This gene encodes a member of the non-histone chromosomal high mobility group protein family. The proteins of this family are chromatin-associated and ubiquitously distributed in the nucleus of higher eukaryotic cells. In vitro studies have demonstrated that this protein is able to efficiently bend DNA and form DNA circles. These studies suggest a role in facilitating cooperative interactions between cis-acting proteins by promoting DNA flexibility. This protein was also reported to be involved in the final ligation step in DNA end-joining processes of DNA double-strand breaks repair and V(D)J recombination. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC200750

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Western blot validation of overexpression lysate (Cat# [LY419515]) using anti-DDK antibody (Cat# [TA592569]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200750 using transfection reagent PEI.

Coomassie blue staining of purified HMGB2 protein (Cat# [TP300750]). The protein was produced from HEK293T cells transfected with HMGB2 cDNA clone (Cat# RC200750) using MegaTran 2.0 (Cat# [TT210002]).

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