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Product datasheet for MC207300

Hmgn1 (NM_008251) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hmgn1 (NM_008251) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hmgn1
Synonyms:	HMG-14; Hmg14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC207300 representing NM_008251 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGCCCAAGAGGAAGGTTAGCGCGGATGGAGCCGCCAAGGCGGAGCCCAAGCGCCGCTCCGCGAGGCTGT CGGCCAAGCCCGCCCCTGCCAAGGTGGACGCGAAGCCGAAAAAGGCCGCGGGAAAGGATAAAGCATCAGA CAAAAAAGTGCAGATAAAAGGGAAGAGGGGAGCGAAGGGCAAACAGGCTGACGTGGCTGACCAGCAAACC ACAGAGCTGCCTGCAGAAAATGGAGAGACGGAAAACCAGAGTCCAGCCTCTGAAGAAGAGAAAGAAGCTA AGTCCGACTAA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Restriction Sites:	SgfI-MluI
ACCN:	NM_008251
Insert Size:	291 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).

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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_008251.3, NP_032277.3
RefSeq Size:	1200 bp
RefSeq ORF:	291 bp
Locus ID:	15312
UniProt ID:	P18608
Cytogenetics:	16 56.83 cM
Gene Summary:	Binds to the inner side of the nucleosomal DNA thus altering the interaction between the DNA and the histone octamer. May be involved in the process which maintains transcribable genes in a unique chromatin conformation. Inhibits the phosphorylation of nucleosomal histones H3 and H2A by RPS6KA5/MSK1 and RPS6KA3/RSK2.[UniProtKB/Swiss-Prot Function]

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