

Product datasheet for **MC225663**

Hmga1 (NM_001025427) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hmga1 (NM_001025427) Mouse Untagged Clone
Tag: Tag Free
Symbol: Hmga1
Synonyms: AL023995; Hmg; HMG-I(Y; Hmga; Hmga1a; Hmga1b; Hmgj; HMGI(Y; Hmgij; Hmgy
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC225663 representing NM_001025427
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCGAGTCGGGCTCAAAGTCCAGCCAGCCCTGGCCTCAAGCAGGAAAAGGATGGGACTGAGAAGC
GAGGCCGGGGCAGGCCACGCAAGCAGCCTCCGGTGAGTCTGGGACGGCGCTGGTCGGGAGTCAGAAAGA
GCCAGTGAAGTCCAACTCCGAAGAGACCTCGGGCCGACCAAAGGGAAGCAAGAATAAGGGCGCCGCC
AAGACCCGGAAAGTCACCACAGCTCCAGGGAGGAAACCAAGGGGCAGACCAAGAAACTGGAGAAGGAGG
AAGAGGAGGGCATCTCCAGGAGTCTCTGAGGAGGAGCAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001025427
Insert Size: 324 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).
OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.



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:	<u>NM_001025427.3</u> , <u>NP_001020598.1</u>
RefSeq Size:	1679 bp
RefSeq ORF:	324 bp
Locus ID:	15361
UniProt ID:	<u>P17095</u>
Cytogenetics:	17 14.5 cM
Gene Summary:	<p>This locus encodes a member of the nuclear, non-histone high mobility group protein family. This architectural transcription factor binds to A-T rich DNA sequences and participates in enhanceosome formation, chromatin remodeling and regulation of transcription. This protein functions in many cellular processes, including cell growth and differentiation. Alternatively spliced transcript variants have been described. [provided by RefSeq, Oct 2009]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 through 5 encode the same isoform (a), also known as isoform l.</p>