

Product datasheet for **MR224266**

Hmga1 (NM_001166536) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hmga1 (NM_001166536) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Hmga1
Synonyms: AL023995; Hmg; HMG-I(Y; Hmga; Hmga1a; Hmga1b; Hmgj; HMGI(Y; Hmgjy; Hmgy
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR224266 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCGAGTCGGGCTCAAAGTCCAGCCAGCCCCTGGCCTCCAAGCAGGAAAAGGATGGGACTGAGAAGC
GAGGCCGGGGCAGGCCACGCAAGCAGCCTCCGGTGAGTCTGGGACGGCGCTGGTCGGGAGTCAGAAAGA
GCCAGTGAAGTCCAACTCCGAAGAGACCTCGGGCCGACCAAAGGGAAGCAAGAATAAGGGCGCCGCC
AAGACCCGAAAGTCACCACAGCTCCAGGGAGGAAACCAAGGGGCAGACCAAGAACTGGAGAAGGAGG
AAGAGGAGGGCATCTCCAGGAGTCTCTGAGGAGGAGCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR224266 protein sequence
Red=Cloning site Green=Tags(s)
MSESGSKSSQPLASKQEKGTEKRGRGRPRKQPPVSPGTALVGSQKEPSEVPTPKRPRGRPKGSKNKGAA
KTRKVTTAPGRKPRGRPKKLEKEEEEEGISQESSEEEQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_001166536

ORF Size: 321 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_001166536.1](#), [NP_001160008.1](#)

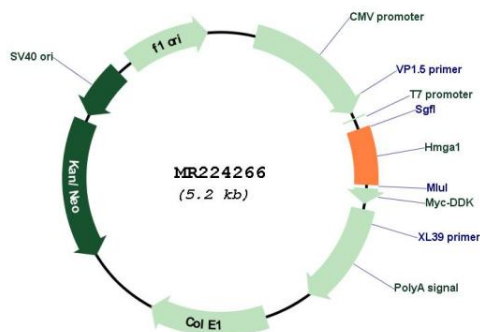
RefSeq Size: 1677 bp

RefSeq ORF: 324 bp

Locus ID: 15361
UniProt ID: [P17095](#)
Cytogenetics: 17 14.5 cM
MW: 11.6 kDa

Gene Summary: 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]

Product images:



Circular map for MR224266