

Product datasheet for **MC208667**

Hmga2 (NM_010441) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hmga2 (NM_010441) Mouse Untagged Clone
Tag: Tag Free
Symbol: Hmga2
Synonyms: 9430083A20Rik; HMGI-C; Hmgic; pg; pygmy
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC208667 representing NM_010441
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAGCGCACGGGTGAGGGCGCCGGGCAGCCGTCACATCAGCCAGGGACAACCTGCCCCCGGTGC
CACAGAAGCGAGGACGCGCCGACCCAGGAAGCAGCAGCAAGAGCCAACCTGTGAGCCCTCTCCTAAGAG
ACCCAGAGGAAGACCCAAAGGCAGCAAAAACAAGAGCCCTCTAAAGCAGCCAGAAGAAAGCAGAGACC
ATTGGAGAAAAACGGCCAAGAGGCAGACCTAGGAAATGGCCACAACAAGTCGTTCCAGAAGAAGCCTGCTC
AGGAGACTGAAGAGACATCCTCGCAAGAGTCCGCAGAGGAGGATTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_010441
Insert Size: 327 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:

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_010441.2](#), [NP_034571.1](#)

RefSeq Size: 4226 bp

RefSeq ORF: 327 bp

Locus ID: 15364

UniProt ID: [P52927](#)

Cytogenetics: 10 67.94 cM

Gene Summary: Functions as a transcriptional regulator. Functions in cell cycle regulation through CCNA2. Plays an important role in chromosome condensation during the meiotic G2/M transition of spermatocytes. Plays a role in postnatal myogenesis, is involved in satellite cell activation (PubMed:27446912).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) encodes the shorter isoform (1).