

## Product datasheet for **MC225664**

### **Hmga1 (NM\_016660) Mouse Untagged Clone**

#### **Product data:**

|                                  |   |
|----------------------------------|---|
| <b>Product Type:</b>             | Expression Plasmids   |
| <b>Product Name:</b>             | Hmga1 (NM_016660) Mouse Untagged Clone  |
| <b>Tag:</b>                      | Tag Free  |
| <b>Symbol:</b>                   | Hmga1   |
| <b>Synonyms:</b>                 | AL023995; Hmg; HMG-I(Y; Hmga; Hmga1a; Hmga1b; Hmgi; HMGI(Y; Hmgii; Hmgy   |
| <b>Mammalian Cell Selection:</b> | Neomycin  |
| <b>Vector:</b>                   | pCMV6-Entry (PS100001)  |
| <b>E. coli Selection:</b>        | Kanamycin (25 ug/mL)  |
| <b>Restriction Sites:</b>        | Sgfl-Mlul   |
| <b>ACCN:</b>                     | NM_016660   |
| <b>Insert Size:</b>              | 324 bp  |
| <b>OTI Disclaimer:</b>           | 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).  |
| <b>OTI Annotation:</b>           | Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.  |
| <b>Components:</b>               | 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).  |
| <b>Reconstitution Method:</b>    | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol> |
| <b>Note:</b>                     | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.  |


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RefSeq: NM\_016660.3, NP\_057869.2

RefSeq Size: 2004 bp

RefSeq ORF: 324 bp

Locus ID: 15361

UniProt ID: P17095

Cytogenetics: 17 14.5 cM

**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]  
Transcript Variant: This variant (1) represents the longest transcript and encodes isoform a. Variants 1 through 5 encode the same isoform (a), also known as isoform l.