

## Product datasheet for RC233252

### HMGN3 (NM\_001201362) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** HMGN3 (NM\_001201362) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** HMGN3  
**Synonyms:** PNAS-24; PNAS-25; TRIP7  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC233252 representing NM\_001201362  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCCGAAGAGAAAGTCTCCAGAGAATACAGAGGGCAAAGATGGATCCAAAGTAACTAAACAGGAGCCCA  
 CAAGACGGTCTGCCAGATTGTCAGCGAAACCTGCTCCACCAAACCTGAACCCAAACCAAGAAAAACATC  
 TGCTAAGAAAGAACCTGGAGCAAAGATTAGCAGAGGTGCTAAAGGGAAGAAGGAGGAAAAGCAGGAAGCT  
 GAAAAGGAAGGTACTGCACCATCTGAAAATGGTAAAACAAAGCTGAAGAGGTACTTTCCATAAATACCT  
 CCCAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC233252 representing NM\_001201362  
 Red=Cloning site Green=Tags(s)  
 MPKRKSPENTEGKDGSKVTKQEPTRRSARLSAKPAPPKPEPKPRKTSAKKEPGAKISRGAKGKKEEKQEA  
 GKEGTAPSENGETKAAEVLISINTSH

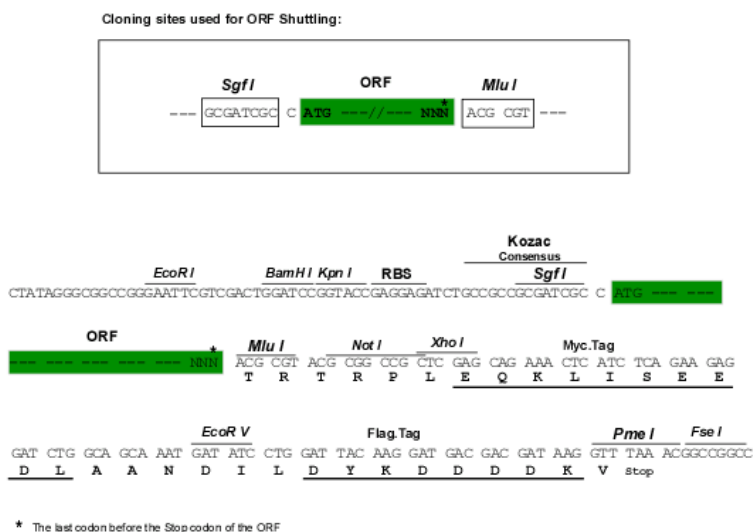
**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI



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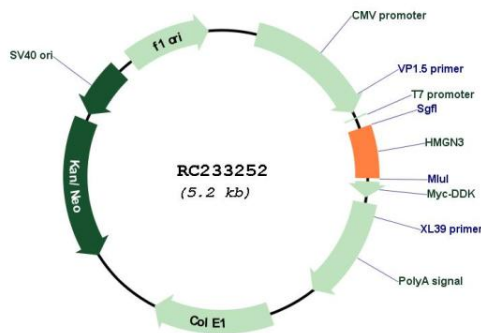
## Cloning Scheme:



- ACCN:** NM\_001201362
- ORF Size:** 285 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\\_001201362.2](#)
- RefSeq Size:** 1484 bp
- RefSeq ORF:** 288 bp

**Locus ID:** 9324  
**UniProt ID:** [Q15651](#)  
**Cytogenetics:** 6q14.1  
**Protein Families:** Druggable Genome  
**MW:** 10.7 kDa  
**Gene Summary:** The protein encoded by this gene binds thyroid hormone receptor beta in the presence of thyroid hormone. The encoded protein, a member of the HMGN protein family, is thought to reduce the compactness of the chromatin fiber in nucleosomes, thereby enhancing transcription from chromatin templates. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. There is a related pseudogene on chromosome 1. [provided by RefSeq, Jan 2016]

**Product images:**



Circular map for RC233252