

Product datasheet for RR216018

Hmgb3 (NM_001173341) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hmgb3 (NM_001173341) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Hmgb3
Synonyms: RGD1564407
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR216018 representing NM_001173341
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTAAAGGTGATCCCAAGAAACCAAGGGCAAGATGTCCGCCTATGCCTTCTTCGTGCAGACGTGCA
 GGAAGAACAACAAGAAGAAAAACCCAGAGGTTCCAGTCAACTTTGCTGAGTTTTCCAAGAAGTCTCTGA
 GAGGTGGAAGACGATGTCTAGCAAAGAGAAATCAAAGTTTGACGAAATGGCAAGCGGATAAGGTACGC
 TACGATCGTAAAATGAAAGATTATGGGCCAGCTAAAGGAGGCAAAAAGAAGAAGGACCCGAATGCCCCCA
 AAAGACCTCCGTCTGGATTTTTCTGTTCTGCTCTGAATCCGCCGAAGATCAAATCTGCAAACCTGG
 CATCTCTATTGGAGATGTGGCAAAAAGCTGGGTGAGATGTGGAATAACTTAAGTGACAGTGAAAAGCAG
 CCTTACATGACCAAGGCAGCAAAGCTGAAGGAGAAGTATGAGAAGGATGTTGCTGACTATAAGTCTAAAG
 GGAAGTTTGATGGTGCCAAGGTCCTGCTAAAGTTGCCCGGAAAAGGTGGAAGAAGAGGAGGAGGAGGA
 GGAAGAAGAAGAGGAGGAGGAGGAAGAGGAAGAAGATGAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR216018 representing NM_001173341
 Red=Cloning site Green=Tags(s)

MAKGDPKPKGKMSAYAFFVQTCREEHKKKNPEVPVNF AEF SKKCSERWKTMS SKEKSKFDEMAKADKVR
 YDREMKDYGPAKGGKKKDPNAPKRPPSGFFLFCSEFRPKIKSANPGISIGDVAKKLGEMWNLSDEKQ
 PYMTKAAKLKEKYEKDVADYKSKGKFDGAKGPAKVARKKVEEEEEEEEEEEEEEEEEEEDE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

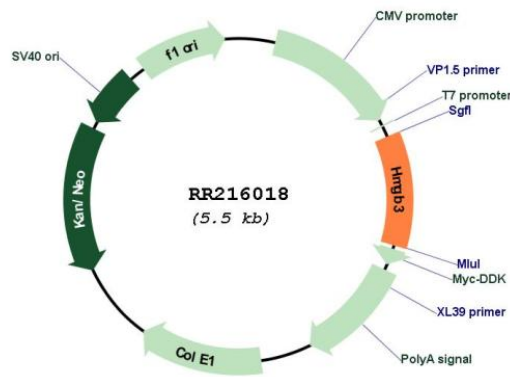


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001173341

ORF Size: 600 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_001173341.1](#), [NP_001166812.1](#)

RefSeq Size: 1549 bp

RefSeq ORF: 603 bp

Locus ID: 305373

Cytogenetics: 17p12

MW: 23 kDa