

Product datasheet for **RR200934**

Hmg20a (NM_001108150) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hmg20a (NM_001108150) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Hmg20a
Synonyms: RGD1564760
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR200934 representing NM_001108150
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAAGCTTGATGTCCAGTTCTACCCTGCCGCCCTTTCTGCAGATGAAGACGGCTCCAAGGAGAGTA
ACGGTCTGGCTGTAAGTGGTTAACACACCCCGAGGGTCCATATGGCAGTGCAGCCACATCAACAACCAA
CAACCCAGAATTTGTGGAGGATCTCTCCAAGGCCAGCTGCTTCAGAGTGAGTCTTCCAATGCTGCAGAA
GGCAGTGAGCAGAGGCCCTGAAGATGAGCAAAGAAGTAAACGAGGAGGCTGGTCCAAAGGGAGAAAAGGA
AGAAACCTCTTCGGGACAGCAATGCACCAAGTCCCCCTTACAGGATATGTTTCGATTCATGAATGAGCG
TAGAGAACAGCTTCGAGCAAAACGACCAGAGGTCCCATTTCCAGAAATCACAAGGATGTTGGGCAACGAG
TGGAGTAAACTGCCTCCTGAGGAAAAACAGCGCTACCTTGATGAAGCAGACAGAGATAAGGAGCGTTACA
TGAAGGAACTGGAGCAGTATCAAAGACCGAAGCCTACAAGGTCTTCAGTAGGAAAACGCAAGACCGTCA
GAAAGGCAAATCTCATCGCAAGATGCAGCCCGCAGGCCACTCATGATCATGAGAAAAGAAACAGAAGTA
AAGGAACGCTCTGTTTTTGACATCCCTATATTTACCGAAGAGTTCTTAACCACAGCAAAGCTCGTGAGG
CAGAATTCGCCAGCTTCGTAATCCAACATGGAGTTTGAAGAAAAGAACGACGCCCTACAGAAGCATGT
GGAAAGCATGCGCACAGCAGTGGAGAAGCTGGAGGTTGATGTATCCAGGAACGGAGCCGAAACACCGTC
CTTCAGCAGCACCTGAAACCTGCGGCAGATGTTGACCAGCAGCTTTGCCAGCATGCCTTTGCCTGGAA
GTGGAGAAATACCAACAGTGGACACATTGACTCATACATGAACAGATTGCACAGTATAATTTTAGCTAA
TCCCAAGACAACGAAAACCTTACAGCTACAGTCCGAGAGGTTGTGAACAGGCTTGATCGC

ACGGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RR200934 representing NM_001108150
 Red=Cloning site Green=Tags(s)

MESLMSSSTLPPLSADEGSKESNGLAVTGLTHPEGPYGSAASTTNNPEFVEDLSQGQLLQSESSNAAE
 GSEQRPEDEQRSKRGGWSKGRKRKKPLRDSNAPKSPITGYVRFMNERREQLRAKRPEVPFPEITRMLGNE
 WSKLPPEEKQRYLDEADRDKERYMKELEQYQKTEAYKVF SRKTQDRQKKGSHRQDAARQATHDHEKETE
 KERSVFDIPIFTEEFLNHSKAREALRQLRKSMEFEERNAALQKHVESMRTAVEKLEVDVIQERSRNTV
 LQQHLETLRQMLTSSFASMPPLPGSGEIPVDTIDSYMNRLHSIILANPQDNENFIATVREVVNRLDR

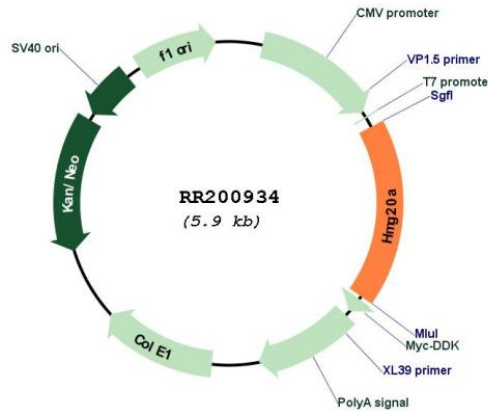
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001108150

ORF Size: 1041 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:	<ol style="list-style-type: none"> 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:	<u>NM_001108150.1</u> , <u>NP_001101620.1</u>
RefSeq Size:	3638 bp
RefSeq ORF:	1044 bp
Locus ID:	315689
Cytogenetics:	8q24
MW:	39.9 kDa