

## Product datasheet for **RR211085**

### Hgfac (NM\_053320) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Hgfac (NM_053320) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hgfac
Synonyms:	MGC109000
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR211085 representing NM\_053320  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCGGCAACGGGCTGGCTCCCTAGTGTCTCTCCAGGCCATGTCCCTTCTGCTGCTCCTGCTACTGC  
 TGGTGGTGCCTCGGGTGGCCAGCCCCAGGCTGGCAGGAACCACACAGAGCCCCAGGACCTAATGTTAC  
 AGCCACCCGCATGACTCCCATGATCCCTGCGACCTCTGGCAACTTCAGCACCTCAATAGGAAGTGATCCA  
 GAGGGAGAGGCAGAGACCGAGGGACCCAAAGTGAGAGGTATCTCCTTTCTCCAGCAGCAGCCCTCTCG  
 GGGGCCAAGTGCTCACCGAGTCCGGACAGCCGTGCAGGTTCCCTTTCCGCTATGGTGGCCGCATGCTGCA  
 CTCCTGTTCTCTGAGGGAAGTGCCTACAGGAAGTGGTGTGCTACGACACACAACACGACAGAGACCGG  
 GCCTGGGGCTACTGTGCAGAGGCCACCTGCCTGTGGAAGGCCAGCTGCCTTGATCCTGTGCCTCTG  
 GGCCCTGCCTCAATGGAGGCACATGTTCCAGTACCCAGGACCATGTGCTCCTACCCTGTGCTTGGCCGCT  
 GGCCTTACAGGCAAGGACTGTGGCACAGAGAAGTGCTTTGATGAAACACGCTACGAGATTTTTGAGGTG  
 GCGACCACTGGGCCCGTGTGAGCGAGGGACATGTGGAGCAGTGCAGCTGTATCGAGGGGAGGCCCGGT  
 GTGAAGACACCCACCACACAGCTTGCTGAGCAGCCATGTCTGAATGGAGGAACCTGCCACCTGATTGT  
 GGGCACAGGGACAGCATCTGCGCCTGCCGTTGGGTTATGCTGGGCGGTTCTGCAACATTGTTCCCACT  
 GAGCGTCTTCTGGGCAATGGAACAGAGTACCGCGGTGTGGCCAGCACCTCTGCCTCGGGCCTGAGCT  
 GCCTGGCTGGAATTCGACCTGCTCTACCAGGAGCTCCATGTAGACTCAGTGGGTGCTGCTGCCCTGCT  
 TGGCCTGGGCCCTCATGCTTACTGCCGGAACCCAGACAAGGACGAGAGGCCTTGGTGCTATGTGGTGAAG  
 GACAGCGCGTGTATGGGAGTATTGTCGCCTGGCAGCTTGTGAATCCTTGGCCAGAGTCCATCCCGAA  
 TCCCGAGGTCTAGCGACCCCTGCCTGAGTCGACCTCAACTGCAGTCCGACCTGTGGCAAGAGGCACAA  
 GAAGAGGACATTTGAGGCCACGCATCATTGGTGGCTCATCGTCTTTGCCCGGCTCACACCCCTGGCTG  
 GCCGCCATCTACATTGGGAACGGCTTCTGTGCTGGGAGCCTCGTCCACACCTGCTGGGTAGTGTCTGCAG  
 CCCACTGCTTCTCCAGCAGCCCCCAGGGACAGCATCACAGTGGTACTGGGTCAGCACTTCTTCAACCG  
 CACGACGGATGTGACACAGACCTTTGCCATTGAGAAGTACGTGCCCTACACCTCTACTCGGTGTTCAAC  
 CCCAACGACCATGACCTTGTCTTGATCCGGCTGAAGAAGAAGGGGAGCGCTGTGCTGTCCGCTCCCAGT  
 TCGTTACGCCATCTGCCTCCCTGAGGCAGGCAGCTCTTCCCTACAGGACACAAGTGTGAGATTGCAGG  
 CTGGGTCACATGGACGAGAATGTGAGTGGATATTCCTCACTCCCTGCTGGAGGCACTGGTCCCCCTGGT  
 GCTGACCAACAAGTGCAGCAGCCCTGAGGTGTATGGTGCCGACATCAGCCCCAACATGCTCTGTGCTGGAT  
 ACTTTGACTGCAAGTCTGATGCCTGCCAGGGGACTCGGGTGGGCCCTTGGTCTGTGAGAAGAATGGTGT  
 GGCTTACCTGTATGGCATCATCAGCTGGGTGATGGCTGTGGGAGGCTCAACAAGCCAGGAGTCTACACC  
 CGTGTGTCCAATTATGTGGACTGGATCAACGACCCGATTCGGCCACCAAGCGACCTGCAGCTGCCTCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR211085 representing NM\_053320  
 Red=Cloning site Green=Tags(s)

MRQRAWLPSVSSRPCPFLLLLLLLLVVPRVAQPQAGRNHTEPPGPNVTATRMTMIPATSGNFSTSIGSDP  
 EGEAETEGPQSERYLLSSSSPLGGQVL TEGSQPCRFPRFYGRMLHSCSSEGSAYRKWCATTHNYDRDR  
 AWGYCAEATLPVEGPAVLDPASGPCLNNGTCSSTQDHVSYHCACPLAFTGKDCGTEKCFDETRYEYFEV  
 GDHWARVSEGHVEQCSCIEGQARCEDTHHTACLSSPCLNNGTCHLIVGTGTSICACPLGYAGRFCNIVPT  
 ERCFLNGTEYRGVASTSASGLSCLAWNSDLLYQELHVDSVGAALLGLGPHAYCRNPKDERPWCYVVK  
 DSALSWEYCRLAACESLARVHSRIPEVLATLPESTSTARPTCGKRHKRTRFLRPRIIGSSSLPGSHPWL  
 AAIYIGNGFCAGSLVHTCWVSAAHCFSSPPRDSITVVLGQHFFNRRTDVTQTFAIEKYVPYTLYSVFN  
 PNDHDLVLRLLKKKGERCAVRSQFVQPICLPEAGSSFPTGHKCQIAGWGHMDENVSGYSNLSLEALVPLV  
 ADHKCSSPEVYGADISPMLCAGYFDCKSDACQDSSGGPLVCEKNGVAYLYGIIISWGDGCGRLNKPQVYV  
 RVSNYVDWINDRIRPPKRPAAAS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

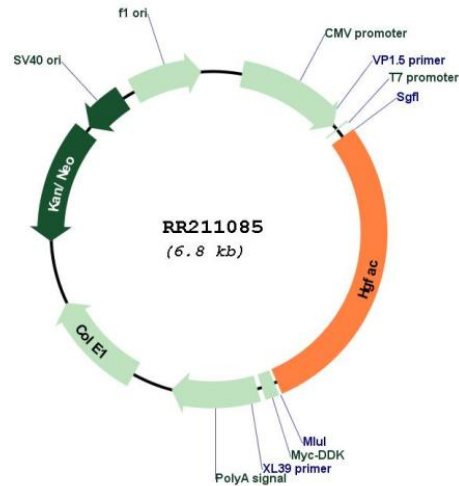
Restriction Sites:

SgfI-MluI

Cloning Scheme:



## Plasmid Map:



ACCN: NM\_053320

ORF Size: 1959 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\\_053320.1](#), [NP\\_445772.1](#)

RefSeq Size: 2067 bp  
RefSeq ORF: 1962 bp  
Locus ID: 58947  
Cytogenetics: 14q21  
MW: 70.7 kDa  
Gene Summary: functions in liver regeneration after injury [RGD, Feb 2006]