

## Product datasheet for **RR211447**

### Hrg (NM\_133428) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Hrg (NM_133428) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hrg
Synonyms:	HPRG; HRG1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR211447 representing NM\_133428  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGAAGGTGCTCACCACGGCATTGCTTCTAGTCACCCTGCAGTGTCCCATGCCCTGAGTCCCACCAACT  
 GTGATGCCTCCAAGCCTTTGGCTGAGAAAGTTCTAGACTTGATCAATAAAGGGCGGAGGAGTGGCTATAC  
 TTTTCAGCTGCTGCGGGTCTCTGATGCCCACTTGACAGAGTGGAAACTGCCACCATCTACTACTTGT  
 TTAGATGTGGTAGAATCTGACTGTTGGGTCTCTCCACAAAAGCCAGGATGAGTGTCTCCAGCCATGA  
 GGACATCTGAGGTTGTGATTGGACAGTGAAGTAATAGCCACAAGATACTCCAATGAGTCTCAAGATCT  
 TAGCGTGAATGGCTATAACTGCACCATGAGATCCGTCTCTTCGGCATATATCAACACCAAAGACAGTCT  
 GTACTAGTGGACTCATTTGAGGATTCGAGCCCTACAGAAAGCTAGCCCGTAAAGCCCTCGACAAGTACA  
 AAGCGGAGAATGGTGACTTTGCCTCATTAGAGTGGAAAGGGCTGAAAGGGTTATAAGAATGAGAGGAGG  
 GAAAGAACCAGCTACTCATAGAATTCGGTGAGGAACTGTTCCACACAACACTTCCCAGACACCCT  
 CCGGTCTTTGGATTGTGCAGAGTAGTTTGACCTACAGTACAGAAAGCCTCTGACTTGAAAACCCAGAA  
 AACTGACCTGATCTGTGAAGTCTTCAACTGAGGATCTTAAAAACAGGAGTGACATGAAAACCCATCG  
 GGGCCATGAGCATCCTCATTGTGACAAACATCTGTGTAAGCTCAGTGGACCCAGGGACCATCATATACC  
 CATAAGACACATGAAATTGGATGCCACCACCACAGAAAGAAAAGATAACTCAGACAGACCACCCTTC  
 AAGAAGGAGCCCTCCACAAATGCTCCCTGGCCATTCTGGTCTTCTGGTACCAACAGGAGCCATAGACC  
 CCCTCATAATCACAGTTGTAATGAGCATCCGTGCCATGGACAGCATCCCCATGGACACCACCCTCATGGT  
 CAGCATCCCCATGGACACCACCCTCATGGTCCAGTCCCCATGGACACCACCCTCATGGTCCAGTCCCC  
 ATGGACACCACCCTCATGGTCCAGTCCCCATGGACACCACCCTCATGGTCCAGTCCCCATGGTCCAGT  
 TCCCCATGGACACCACCCTCATGGTCCAGTCCCCATGGACACCACCCTCATGGTCCAGTCCCCATGGT  
 CAAGAAGTCAAGGGTCAAGTATCATCGGGGACATGGTCCACCACACGGACACTCAAGGAAAAGAGGGCCAG  
 GTAAGGACTCTTTCTTTCCACCAACGACAAATCGGATATGTCTACCGACTCCCTCCACTGAATGTAGG  
 TGAAGTTCTCACTCCTCCTGAAGCAATTTCCCCATCTTCTTTGCCAAATTGCAACAGACCCCCACAA  
 CCAGAGATTCGGCCCTCCCTCAGACAGCCTCAAAGTCTGTCCAGGAAATTTGAGGGTAAAGTTCCAC  
 AAGTTTCAACTTTTTTGAACATACGCCTCCAAAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR211447 representing NM\_133428  
 Red=Cloning site Green=Tags(s)

MKVLTTALLLVTLQCSHALSPTNCDASKPLAEKVLDLINKGRRSGYTFQLLRVSDAHLDRVETATIIYLV  
 LDVVESDCWVLSKAQDECLPAMRTSEVVIQCKVIATRYSNESQDLVNGYNCTMRSVSSAYINTKDSP  
 VLVDSEFEDSEPYRKLARKALDKYAENGDFASFRVERAERVIRMRGGERTSYFIEF SVRNCSTQHFPRHP  
 PVFGLCRVVLTYSTEASDLETPEYTDLICEVFNTEDLKNRSDMKPHRGHEHPHCDKHLCKLSGPRDHHHT  
 HKTHEIGCPPPEGKDNSDRPPLQEGALPQMLPGHSGPSGTNRSHRPPHNHSCNEHPCHGQHPHGHHPHG  
 QHPHGHHPHGQHPHGHHPHGQHPHGHHPHGQHPHGHHPHGQHPHGHHPHGQHPHGHHPHGQHPHGHHPHG  
 QELKGYHRGHGPPHGHSRKRGPGLFPFHQRQIGYVYRLPPLNVGEVLTPEANFPIFSLPNCNRPPQ  
 PEIRFPFQTASKSCPGKFEGKFPQVSNFFEHTPPK

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

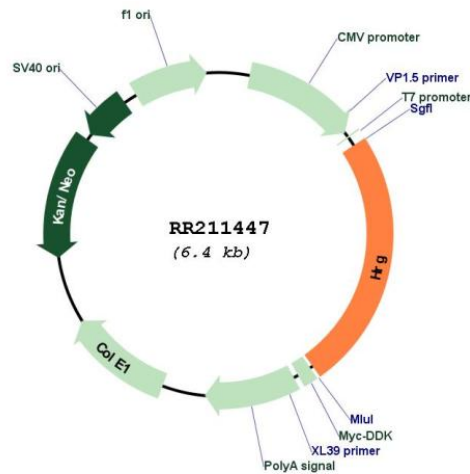
Cloning Scheme:

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

Plasmid Map:



<b>ACCN:</b>	NM_133428
<b>ORF Size:</b>	1575 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>RefSeq:</b>	<a href="#">NM_133428.2</a> , <a href="#">NP_596919.1</a>
<b>RefSeq Size:</b>	1713 bp
<b>RefSeq ORF:</b>	1578 bp
<b>Locus ID:</b>	171016
<b>UniProt ID:</b>	<a href="#">Q99PS8</a>
<b>Cytogenetics:</b>	11q23
<b>MW:</b>	59 kDa
<b>Gene Summary:</b>	plasma protein that may play a role in immune response and blood clotting [RGD, Feb 2006]