

Product datasheet for **RR205998**

Rgr (NM_001107299) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rgr (NM_001107299) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rgr
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR205998 representing NM_001107299
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGATCGCC

ATGACAGCAACCAGGGCCCTGCCTGCTGGTTTTGGGAACTTGAGGTGCTGGCTATAGGAATAGTCCTGC
TGATGGAAGCGCTCTCTGGCATCAGCCTCAATGGCCTGACCATTCTCTTTCTGCAAGACTCCAGATCT
GCGGACTCCCAGCAACCTTCTGGTACTGAGCCTGGCACTGGCAGACACTGGGATCAGTCTGAATGCCCTT
GTTGCAGCTGTATCCAGTCTCCTCCGGCGCTGGCCACATGGTTCAGAGGGCTGCCGGTTTATGGTTTCC
AGGGATTTGCAACAGCACTGGCCAGCATCTGTGGCAGTGCAGCCATTGCCTGGGGACGCTATCACCCTA
CTGCACCCGTAGACAGTTGGCATGGGACTGCCATCCCTCTGGTCTGTTTGTGTGGCTATCATCTGCC
TTCTGGGCATCCCTGCCCTGATGGGCTGGGGCCATTATGACTACGAGCCCGTGGGGACATGCTGTACAC
TGGACTACTCTAGGGGTGACAGAACTTCATCAGTTTTCTCTCACCATGGCCTTTTTCAACTTCCTTGT
ACCCCTGTTTCATCACACACTTCATACCGTTTCATGGAGCAGAACTCTCCAGGAGTGGTCATCTCCAG
GTGAATACTACTTTCCAGGCAGGATGCTGCTGCTGGGCTGGGGCCCTATGCCCTCTGTACCTATATG
CCGCTGTCGAGATGTGAGCTTCATCTCTCCAACTACAGATGGTGCCTGCCCTATTGCGAAAACCAT
GCCACAATCAACGCCATCAACTATGCGTTGCGCAGCGAGATGGTCTGTAGAGGAACCTGGCAGTGCCGA
TCTGCACAAAAGAGCAAGCAGGACCGAACCCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR205998 representing NM_001107299
 Red=Cloning site Green=Tags(s)

MTATRALPAGFGELEVLAI GIVLLMEALSGISLNLITFSFKTPDLRTPSNLLVLSLALADTGISLNAL
 VAAVSSLLRRWPHGSEGCRVHGFQGFATALASICGSAAIAWGRYHHYCTRRLAWDTAIPLVLFVWLSA
 FWASLPLMGWGHYDYEPVGTCCITLDYSRGDRNFISFLFTMAFFNPLVPLFITHTSYRFMEQKLSRSGHLQ
 VNTTLPGRMLLLGWGPYALLYLAAVADVSFISPKLQMPALIAKTMPTINAINALRSEMVCRGTWQCR
 SAQKSKQDRTQ

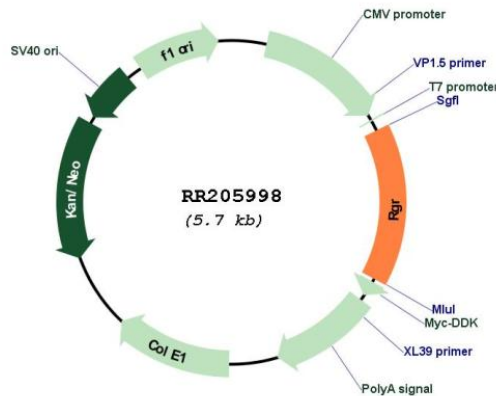
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001107299

ORF Size:	873 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:	NM_001107299.1 , NP_001100769.1
RefSeq Size:	1656 bp
RefSeq ORF:	876 bp
Locus ID:	306307
Cytogenetics:	16p14
MW:	32.2 kDa