

Product datasheet for **RR211233**

Reg3b (NM_053289) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Reg3b (NM_053289) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Reg3b
Synonyms: Pap; Pap1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR211233 representing NM_053289
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGATGAGAGTTAAGATGTTGCATCGCTTGGCCTTCCCAGTCATGCTCTGGATGCTGCTCTCTCTGCCTGA
TGCTCTTATCACAGGTGCAAGGAGAAGACTCTCGAAGAAAATACCTCTGCACGCATTAGTTGCCCAA
AGGCTCCAGGCATATGGCTCCTACTGCTATGCCCTGTTTCAGATACCACAGACCTGGTTTGATGCAGAA
CTGGCCTGCCAGAAGAGACCTGAAGGACACCTGTATCTGTGCTCAATGTAGCTGAAGCTTCATTCTTGG
CATCCATGGTCAAGAACACTGGAAACAGCTACCAATATACCTGGATTGGACTCCATGACCCCACTCTTGG
TGGAGAACCCAATGGAGGTGGATGGGAGTGGAGTAAACAATGACATAATGAATTATGTCAACTGGGAGAGG
AACCCATCTACTGCCTTAGACCGCGGATTCTGTGGCAGCTTGCAAGATCTTCTGGATTTCTAAGATGGA
GAGATACCACATGTGAAGTGAAGTTGCCCTACGCTGCAAATTTACAGGT

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR211233 representing NM_053289
Red=Cloning site Green=Tags(s)

MMRVKMLHRLAFPVMSWMLLSCLMLLSQVQGEDSPKKIPSARISCPKGSQAYGSYCYALFQIPQTFWDAE
LACQKRPEGHLVSVLNVAEASFLASVMKNTGNSYQYTWIGLHDPDLGGEPNGGGWEWSNNDIMNYVNWER
NPSTALDRGFCGSLSRSSGFLRWRDTCCEVKLPYVCKFTG

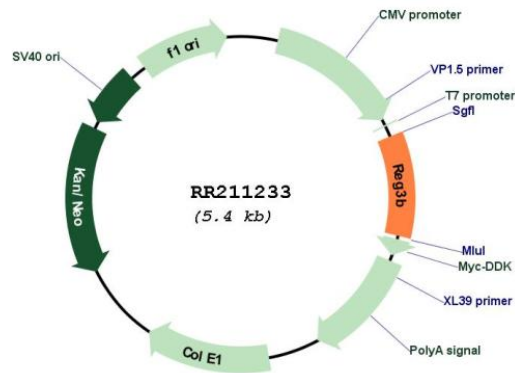
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



[View online »](#)

Cloning Scheme:

Plasmid Map:


ACCN: NM_053289

ORF Size: 540 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_053289.1 , NP_445741.1
RefSeq Size:	781 bp
RefSeq ORF:	543 bp
Locus ID:	24618
UniProt ID:	P25031
Cytogenetics:	4q33
MW:	20.3 kDa
Gene Summary:	lectin-related secretory protein; may be involved in stress response to control bacterial proliferation during acute pancreatitis [RGD, Feb 2006]