

## Product datasheet for RR211243

### Pgap2 (NM\_053895) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Pgap2 (NM_053895) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pgap2
Synonyms:	Frag1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR211243 representing NM_053895 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGTACCAGGTCCCATTGACACTGGACCGGGATGGACCCTAGTCCGGCTCCGCTTCACTATGGTGGCCC  
TGATCACGGTCTGCTGTCCACTTGTGCGCTTCTTCTTCTGCATCCTGTGGTCCCTGCTCTCCACTTCAA  
GGAGACAACATCTACACACTGTGGGGTGCCAATTACCTGCCATCAGTGAGCTCTGCCATTGGTGGGGAG  
GTTCCCCAGCGCTACGTGTGGCGTTTCTGCATTGGCCTGCACTCGGCACCCCGCTTCTTGACAGCCTTCG  
CCTATTGGAACCACTACCTCAGCTGTGCATCCCCGTGCCCGGGTTACCGCCTTCTCTGCCGCTCAACT  
CAGTCTCAATGTGGTGGAGAACCCTGGCACTGCTCGTGCTCACCTATGTCTCCTCCTCCGAGGACTTACC  
ATCCATGAAAAATGCTTTTATTGTGTTTATCGCGGCCTCCCTCAGTTACATGCTCCTCACCTGCATTCTCT  
GGCGGCTGACCAAGAAGCACACAGATCGCAAGTCTACAGCTGGAACAACGGCTCTTATCATCAACTT  
CATCTCCTTCTTCTCGGCGCTGGCTGTTACTTCCGGCACAACATGTATTGTGAGGCTGGAGTGTACACC  
ATCTTTGCCATCCTGGAGTACACTGTGGTCCTAACCAACATGGCGTTCACATGACAGCCTGGTGGGACT  
TCGGGAACAAAGAGCTGCTAATAACCTCTCAGCCTGAGGAAAAGAGATTCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR211243 representing NM\_053895  
 Red=Cloning site Green=Tags(s)

MYQVPLTLDRDGLVRLRFTMVALITVCCPLVAFFFCILWSLLFHFKETTSTHCGVPNYLPSVSSAIGGE  
 VPQRYVWRFICGLHSAPRFLTAFAYWNHYLSCASPCGYRLLCRLNFSLNVVENLALLVLTYVSSSEDFI  
 IHENAFIVFIAASLSYMLLTICILWRLTKKHTDRKSYSWKQRLFIINFISFFSALAVYFRHNMYCEAGVYT  
 IFAILEYTVVLTNMAFHMTAWWDFGNKELLITSQPPEEKRF

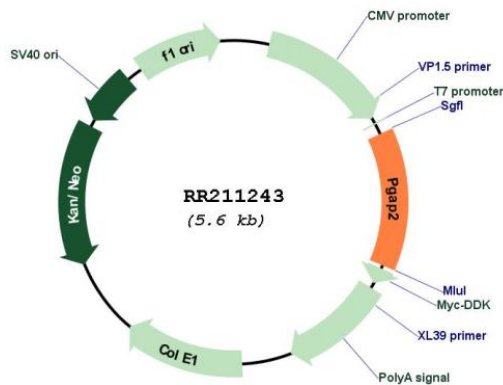
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_053895  
**ORF Size:** 750 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_053895.2</a> , <a href="#">NP_446347.2</a>
<b>RefSeq Size:</b>	2568 bp
<b>RefSeq ORF:</b>	753 bp
<b>Locus ID:</b>	116675
<b>UniProt ID:</b>	<a href="#">Q2ABP3</a>
<b>Cytogenetics:</b>	1q32
<b>MW:</b>	29 kDa
<b>Gene Summary:</b>	stimulates transforming activity and autophosphorylation of the receptor [RGD, Feb 2006]