

## Product datasheet for **RR207933**

### Gp5 (NM\_012795) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gp5 (NM_012795) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gp5
Synonyms:	PLGPV
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR207933 representing NM\_012795  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCTAAGGAGCGTCTACTGTCCGCGGTGCTCTCACTAGTAGGGGCCCAACCCTTCCCCTGCCCAAAA  
 CCTGCAAGTGTGTGGTCCGCGATGCCGTGCAATGCTCCGGCGGCAGCGTGGCTCACATCGCTGAGCTAGG  
 TCTGCCACGAACTCACACACATCCTGCTCTTCAAGATGGACCGGGAGTATTGCAGAGCCACAGCTTC  
 AGCGGCATGACGGTCTTCAGCGCCTGATGCTCTCAGATAGCCACATTTCTGCCATCGACCCCGGCACCT  
 TCAATGACCTGGTAAAACAAAAACCTCAGGTTGACGCGCAACAAAATCTCTCATCTTCCACGTGCGAT  
 CCTGGATAAGATGGTCTTTTGGAAACAGCTGTTCTTGGACCACAATGCACTAAGGGACCTTGACCAAAA  
 CTGTTTCAGAACTGCTTAACCTGCGGGATCTGTTTGAACCAGAATCAGCTCTCTTTCTTCTGCTA  
 ACCTTTTCTCGAGCCTGGGAAAGCTGAAGGTGTTGGATTATCGCGAAACACCTGACCCACCTGCCCA  
 GGGATTACTTGGGGCGCAATTAAGCTTGAGAACTGCTGCTCTATTCAAACCGGCTCATGTCTCTGGAT  
 TCGGGGCTGCTGGCAACCTGGGCGCCCTGACTGAGCTGCGGCTGGAGCGGAATCACCTTCGCTCCATCG  
 CACCGGTGCCTTCGACAGCCTCGGAAACCTGAGCACCTTGACTCTGTCCGAAACCTCCTGGAGTCTCT  
 GCCCGCCGCGCTTCTTTCATGTGAGCTGGTACTCGGCTGACCCTGTTTCGAGAACCTCTGGAGGAG  
 CTCCCGGAGGTGCTGTTTCGGGAGATGGCCGGCTGCGGGAGCTGTGGCTGAACGGCACCCACCTGCGCA  
 CGCTGCCCGCCGCGCTTCCGCAACCTGAGCGGCTGCAGACGCTGGGGCTGACACGGAACCCGCTCT  
 GAGCGGCTCCCGCCGGGCATGTTCCACGGCTGACGGAGCTGCGCGTGTGGCCGTGCACACCAATGCC  
 CTGGAGGAGCTGCCGAGGACGCGCTGCGCGCCTCGGGCGCTGCGCCAGGTGTGCTGCGCCACAACC  
 GGTTCGGGCCCCTGCCCGCAGCTCTTCCGTAACCTCAGCACCTCGTACGGTGCAGCTTGCAGATAA  
 CCAGCTGAAGACCTGCCAGGAGAGCTGTTTCGCGGCTCTGCCCAACTGACCCGGGTCTGCTCGGTAC  
 AACCCCTGGCTCTGCGACTGTGGCTGTGGCCTTCTCCAGTGGCTGCGGCATCACCTGGAGTCTTAG  
 GCCGAGATGAGCCTCCGAGTGAATGGCCAGAGTACGCGCCAGCCTGACGTTCTGGGAGTGTGCA  
 GGGTGACCAGTGGTGCCCAAGTCTCGCGGTCTGCCTCCCGACCTCCAACCGAAAATGCTCTGAAAGCC  
 CCGGATCCGACCCAGCGGCCAATAGCTCGCAGTCTGGGCGTGGGTCCAGCTGGTGGCCAGGGGTGAAA  
 GTCCCGATAACCGCTTCTACTGGAATCTTATATTCTACTTCTAATAGCCAGGCCACCATAGCCGGTT  
 CATCGTGTGGCATGATAAAATCGGCCAGCTGTTTCGAACATTGATCAGAGAGGAGCTTGTGTTGAG  
 GCAATGGGAAAATCGTCTAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR207933 representing NM\_012795  
 Red=Cloning site Green=Tags(s)

MLRSVLLSAVLSLVGAQPFPCPKTKCKVVRDAVQCSGGSVAHIAELGLPTNLTHILLFRMDRGVLOQSHSF  
 SGMTVLQRLMLSDSHISAIDPGTFNDLVKLTLLRLTRNKISHLPRAILDKMLLEQLFLDHNALRDLDQN  
 LFQKLLNLRDLCLNQNLFLPANLFFSSLGKLVLDLNRNLLTHLPQGLLGAQIKLEKLLLYSNRLMSLD  
 SGLLANLGALETLRERLRSIAPGAFDSLGNLSTLTLSGNLESLPPALFLHVSWLTRLTLFENPLEE  
 LPEVLFEMAGLRELWLNGLHLRTPAAAFRNLSGLQTLGLTRNPLLALPPGMFHLGTELRLVAVHTNA  
 LEELPEDALRGLGRLRQVSLRHNRRLRPRTLFRNLSSLVTVQLEHNQLKTLPGDVFAALPQLTRVLLGH  
 NPWLCDCGLWPFQWLRHHELELLGRDEPPQCNGPESRASLTFWELLQGDQWCPSSRGLPPDPPTENALKA  
 PDPTQRPNSSQSWAWVQLVARGESPDNRFYWNLYILLLIAQATIAGFIVFAMIKIGQLFRTLIREELLFE  
 AMGKSSN

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

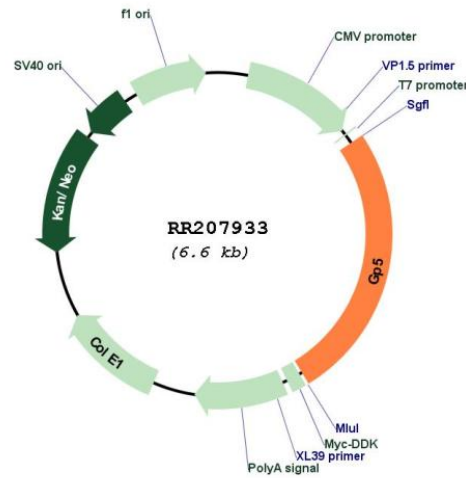
Cloning Scheme:

Cloning sites used for ORF Shutting:



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

Plasmid Map:



ACCN: NM\_012795  
 ORF Size: 1701 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_012795.2</a> , <a href="#">NP_036927.1</a>
<b>RefSeq Size:</b>	2215 bp
<b>RefSeq ORF:</b>	1704 bp
<b>Locus ID:</b>	25259
<b>UniProt ID:</b>	<a href="#">O08770</a>
<b>Cytogenetics:</b>	11q22
<b>MW:</b>	63.3 kDa
<b>Gene Summary:</b>	major surface protein cleaved during thrombin-induced platelet activation; may bind GPIb-IX complex to form GPIb-V-IX, a receptor for von Willebrand factor and thrombin [RGD, Feb 2006]