

## Product datasheet for **RR200155**

### Gimap5 (NM\_001033913) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Gimap5 (NM\_001033913) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Gimap5  
**Synonyms:** IAN4; Ian4l1; Ian5; lyp  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR200155 representing NM\_001033913  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGAGGACCATGGCTTTGAGGAACTATCCACAAGGACCCATGACCTCAACGTCAGAAGACTCACTAAGG  
GAAACATAAACTTTCTTGTCTACAGGACAAGAAACCTACAGTGTAGAAGACTCTGGCCTCCTGAGGAT  
CCTCCTGGTGGGTAATCTGGCTGCGGAAAAAGTGCCACAGGGAACAGCATTCTCCGCAGACCAGCGTTC  
GAGTCCAGGCTCAGAGGCCAGTCTGTGACCAGGACCAGTCAGGCAGAGATGGGCACATGGGAGGGAAGGA  
GCTTCCTAGTGGTGGACACGCCCCCATCTTCGAGTCAAAGATCCAGAACCAAGACATGGACAAGGACAT  
TGGGAACTGCTACCTGATGTGTGCCCCAGGACCCCATGTGTTGTTGCTGGTGACCCAACCTGGGACGCTAC  
ACAGTCGAAGATGCCATGGCTGTGAGGATGGTGAAGCAGATCTTTGGGGTAGGGGTATGAGGTACATGA  
TTGTCTCTTACCCACAAGGAAGACCTGGCAGATGAGTCCTTGGAAAGAGTTTGTGACCCACACAGGCAA  
CCTCGACCTGCACAGACTGGTTCAGGAGTGTGGGAGGAGTACTGTGCCTTTAATAACAAGGCTTCTGGG  
GAGGAGCAGCAGGGGCAGCTGGCAGAGCTCATGGCCCTGGTGAAGACTGGAACAGGAGCATGAGGGCT  
CCTTCCACAGCAATGACCTCTTCGTTTATACTCAGGTGTTCCCTTAGAGGTGGCTACAGTGAACACCAGGA  
GCCATACAAGTTCTACCTGACCAAGGTGAGGCAGGAGGTAGAGAAGCAGAAGAGGGAGCTGGAGGAGCAG  
GAGGGCAGCTGGATGGCTAAAATGCTTTGCAGAGTCACGTCTGCTTGGACTGGCACATTGCAGTGTCTG  
TTCTTCTATTGTTCTTGGTCTGACCCTTCTCATCACTTAATTAATATGTACATTGGCAGGTGGAAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR200155 representing NM\_001033913  
 Red=Cloning site Green=Tags(s)

MEDHGFEELSTRTHDLNVRRLTKGNINFLSTGQETYSVEDSGLLRILLVGKSGCGKSATGNSILRRPAF  
 ESRLRGQSVTRTSQAEMGTWEGRSFLVVDTPPIFESKIQNDMDKDIGNCYLMCAPGPHVLLLVTLGQRY  
 TVEDAMAVRMVKQIFGVGMRYMIVLFTHKEDLADESLEEFVTHGTGNLDLHRLVQECGRRYCAFNNKASG  
 EEQQQLAELMALVRRLEQEHEGSFHSNDLFVYTQVFLRGYSEHQEPYK FYLTKVRQEVEKQKRELEEQ  
 EGSWMAKMLCRVTSCLDWHIAVSVLLIVLGLTLLITLINMYIGRWK

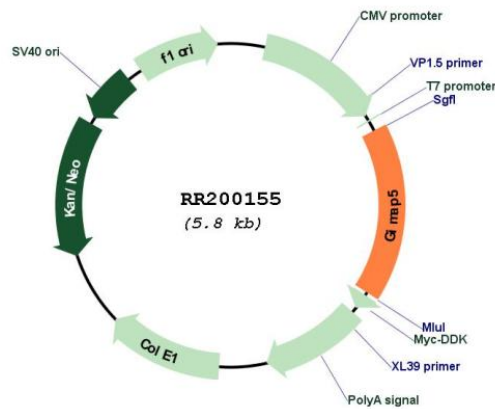
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001033913

**ORF Size:** 978 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_001033913.1</a> , <a href="#">NP_001029085.1</a>
<b>RefSeq Size:</b>	1534 bp
<b>RefSeq ORF:</b>	981 bp
<b>Locus ID:</b>	246774
<b>UniProt ID:</b>	<a href="#">Q8K3L6</a>
<b>Cytogenetics:</b>	4q24
<b>MW:</b>	37.3 kDa
<b>Gene Summary:</b>	an immune associated protein that may be associated with insulin-dependent diabetes in rats [RGD, Feb 2006]