

## Product datasheet for **RR212255**

### Gpr17 (NM\_001071777) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gpr17 (NM_001071777) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gpr17
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR212255 representing NM_001071777 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGATGGCCTCGAGACAGCCCTACCGAGTCTGACTGACAATGCCTCCCTGGCTTACTCTGAACAATGTG  
GCCAAGAGACGCCCTGGAGAACATGCTCTTCGCCTGCTTCTACCTCCTGGACTTCATCCTAGCTTTTGT  
GGCAACGCTCTGGCCCTCTGGCTTTTCATCTGGGATCACAAGTCAGGCACTCCGGCCAAGTGTTCCCTA  
ATGCACCTGGCTGTGGCCGACTTGCTCTGTGTGCTGGTCCTGCCTACCCGGTTGGTTTATCACTTCTCTG  
GCAATCACTGGCCTTTTGGGAAATCCCGTGCCGACTCACTGGCTTCTCTTCTACCTGAATATGTACGC  
CAGCATCTACTTCTCACCTGCATCAGTGCTGACCGGTTCTGGCCATTGTGCACCCAGTCAAGTCCCTC  
AAGCTTCGAAGACCTCTCTATGCCACCTGGCCTGCGCCTTCTGTGGATCGTGGTGGCCGTGGCTATGG  
CCCCACTGCTAGTGAGTCCGAGACTGTGCAGACCAACCACGGTTGTCTGCCTGCAACTGTACCGGGA  
GAAGGCCTCCCATCATGCCCTGGCTTCCCTGGCTGTGGCTTTTACCTTCCCTTTCATCACCACGGTCACC  
TGCTACCTGCTGATCATTTCGAGCCTCCGCCAGGGTCCCGTATAGAGAAGCACCTCAAGAATAAAGCCG  
TCCGCATGATTGCTATGTTTCTGGCCATCTTCTGATTTGTTTTGTGCCCTACCACATCCACCGTTCAGT  
CTATGTGCTTCACTACCGCGGTGGTGGGACTTCGTGCTCAGTCAAGCTGCCCTGGCCCTAGGGAACCGG  
ATCACCTCCTGCCTCACCAGCCTCAACGGGGCCCTGGATCCAGTCATGTACTTCTTTGTGGCTGAGAAAT  
TCCGCCACGCCTTGTGCAACTTGCTCTGCAGCAAACGACTCACAGGTCCTCCTCCAGCTTTGAAGGGAA  
AACCAACGAGAGCTCCCTGAGCGCTCGGTCTGAGCTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR212255 representing NM\_001071777  
 Red=Cloning site Green=Tags(s)

MDGLETALPSLTDNASLAYSEQCGQETPLENMLFACFYLLDFILAFVGNALALWLF IWDHKSGETPANVFL  
 MHLAVADLSCVLVLPTRLVYHFSGNHWPFGEIPCRLTGFLFYLNMYASIYFLTCSADRFLAIVHPVKSL  
 KLRRLPYAHLACAF LWI VVAVAMAPLLVSPQTVQTNHTVVCLQLYREKASHHALASLAVAF TFPFITTVT  
 CYLLIIRSLRQGPRIEKHLKNKAVRMIAMVLAIFLICFVPYHIHRSVYVLHYRGGGTSCSAQRALALGNR  
 ITSCLTSLNGALDPVMYFFVAEKFRHALCNLLCSKRLTGPPPSFEGKTNESSLSARSEL

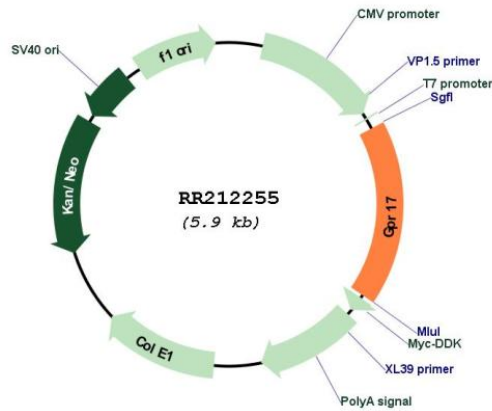
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001071777

<b>ORF Size:</b>	1017 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_001071777.1</a> , <a href="#">NP_001065245.1</a>
<b>RefSeq Size:</b>	1020 bp
<b>RefSeq ORF:</b>	1020 bp
<b>Locus ID:</b>	767613
<b>UniProt ID:</b>	<a href="#">Q09QM4</a>
<b>Cytogenetics:</b>	18p12
<b>MW:</b>	37.9 kDa
<b>Gene Summary:</b>	Dual specificity receptor for uracil nucleotides and cysteinyl leukotrienes (CysLTs). Signals through G(i) and inhibition of adenylyl cyclase. May mediate brain damage by nucleotides and CysLTs following ischemia.[UniProtKB/Swiss-Prot Function]