

## Product datasheet for **RN204537**

### Gpr4 (NM\_001025680) Rat Untagged Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Gpr4 (NM\_001025680) Rat Untagged Clone  
 Tag: Tag Free  
 Symbol: Gpr4  
 Synonyms: MGC116369  
 Mammalian Cell Selection: Neomycin  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Fully Sequenced ORF: >RN204537 representing NM\_001025680  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGACAACAGCACGGGCACGTGGGAGGGCTGCCATGTGGACTCTCGAGTGGACCACCTCTCCACCAT  
 CCCTCTACATCTTCGTCATCGGGGTGGGGCTGCCACCAACTGCCTGGCCCTGTGGGCAGCCTACCGCCA  
 GGTGCGCCAGCGCAATGAGCTGGGCGTCTACCTGATGAACTTGAGCATCGCAGACCTGCTGTACATCTGT  
 ACGCTGCCGCTGTGGTTCGACTACTTCTCCACCATGACAACCTGGATCCACGGCCCCGGCTCCTGCAAGC  
 TCTTTGGTTCATCTTCTACAGCAACATCTACATCAGCATCGCCTTCTGTGCTGCATCTCCGTGGACCG  
 CTACCTGGCTGTGGCCATCCGCTGCGCTTTGCGCGCCTGCGCCGGTCAAGACAGCAGTAGCTGTGAGC  
 TCCGTGGTCTGGGCCACCGAGCTAGGCGCCAACCTCGGCACCGCTCTTTCATGACGAGCTCTTTCGTGATC  
 GCTACAACCACACCTTCTGCTTCGAGAAGTTCCCATGGAGCGCTGGGTGGCCTGGATGAACCTGTACCG  
 CGTCTTTGTGGGTTCTCTTCCCTGGGCACTCATGTTGCTGTGCTACCGCGGCATCCTGCGGGCCGTA  
 CAGAGCAGTGTGTCCACCGAGCGCCAGGAGAAAGTCAAGTCAAACGCTGGCCCTGAGCCTCATCGCCA  
 TCGTGTGGTGTGCTTTGCACCCTACCATGCTCTCTGCTGTCTCGCAGCGCTGTCTATCTGGGCCGGCC  
 CTGGGACTGTGGCTTCGAGGAGCGAGTCTTCTGCTGCTACCACAGCTCCCTAGCCTTACCAGCCTCAAT  
 TGCGTGGCTGACCCATCCTCTACTGCCTGGTCAACGAGGGTGGCCGATGACGTGGCCAAAGCCCTGC  
 ACAACCTCCTCCGCTTCTGCGCAGCAACAAGCCCCAGGAGATGGCCAATGCTTCCCTCACCTGGAGAC  
 ACCATTGACCTCCAAGAGGAGCACCACCGCAAAACGTCTGGGGCTGTCTGGGCAGTGCCTCCCACTGCC  
 CAGGGGGACCAGGTGCCACTGAAGGTGCTGCTGCCCGGCACAG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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<b>ACCN:</b>	NM_001025680
<b>Insert Size:</b>	1098 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<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>	<u><a href="#">NM_001025680.1</a></u> , <u><a href="#">NP_001020851.1</a></u>
<b>RefSeq Size:</b>	1513 bp
<b>RefSeq ORF:</b>	1098 bp
<b>Locus ID:</b>	308408
<b>UniProt ID:</b>	<u><a href="#">Q4KLH9</a></u>
<b>Cytogenetics:</b>	1q21
<b>Gene Summary:</b>	Proton-sensing receptor coupled to several G-proteins, including G(s), G(13) and G(q)/G(11) proteins, leading to cAMP production.[UniProtKB/Swiss-Prot Function]