

## Product datasheet for **MC212593**

### **Gpr174 (NM\_001177782) Mouse Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gpr174 (NM_001177782) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gpr174
Synonyms:	Gm376; Lypsr3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC212593 representing NM_001177782 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGACTGATAATTTTACATGTAACAAGACAGATGGAGACAATACAGATTTCCGGTACTTCATTTATGCAG  
TGACATACACTGTTATTCTTGCCAGGTCTTATAGGGAACATATTAGCCTTATGGGTATTTTACGGCTA  
TATGAAAGAAACCAAAAGGGCTGTGGTATTTATGATAAACCTAGCCATTGCTGACTTATTACAGATTCTC  
TCTCTGCCACTGAGGATCTTTTACTACTTGAACCATGACTGGCCATTTGGTCTGGTCTCTGCATGTTTT  
GTTTCTACCTGAAATATGTAACATGTATGCCAGCATCTACTTCTGGTCTGCATCAGTGTGCGAAGATT  
TTGGTTTCTCATGTACCCCTTTTCGTTTCAATGACTGCAACAGAAATATGACTTGTATATCAGCATTATT  
GGCTGGCTGATCATCTGCCTTGCCTGCCTGCTCTTTCTCTCCTCAGAACCAATGATGATACTCCAGGTA  
ACAGAACCAAAATGCTTTGTGGATCTTCTATCAGGAATGTTAATCTGGCCCAATCTGTTGCCATGATAAC  
TATCGGAGAGGTGGTTGGGTTTGTACTCTCTTATGATTGTTTTATACTGTACCTGGAAGACAGCTTTG  
TCATTACAAAATAAATATCCATTTCTCAACATCTTGAGAGAAAAAGAAAGCCCTGAAGATGATTCTGA  
CCTGTGCAGGGGTGTTTCTAGTTTGTGCTTGTACCTTATCACTTCAGCTTTCTTTAGATTTCCTGGTTAA  
GTCCAATGAAATTAAGAGTTGCTTTGCCAGAAGAGTGATTCTAATATTTTATTCTGTGGCCCTGTGCTG  
GCAAGCCTGAACCTGTCTTGACCCAGTTATATATTATTTTACCCTAATGAGTTCAGAAGACGCCTTT  
CAAGACAAGATTTGCCTGATAACATCCAATCCATACAAAATCATACAAAATTGCAAGTAACCATGCCAC  
TTCTACCGTGGCAGCTGAACATGT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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<b>ACCN:</b>	NM_001177782
<b>Insert Size:</b>	1008 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_001177782.1</a></u> , <u><a href="#">NP_001171253.1</a></u>
<b>RefSeq Size:</b>	4955 bp
<b>RefSeq ORF:</b>	1008 bp
<b>Locus ID:</b>	213439
<b>UniProt ID:</b>	<u><a href="#">Q3U507</a></u>
<b>Cytogenetics:</b>	X D
<b>Gene Summary:</b>	<p>Putative receptor for purines coupled to G-proteins.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1. Variants 1, 2, 3 and 4 encode the same protein. An upstream AUG is present that would result in a 13 aa N-terminal extension, but it has a weak Kozak signal and is absent in other mammals, whereas the annotated dAUG has a stronger Kozak signal and is well-conserved among mammals.</p> <p>Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>