

## 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  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC212593 representing NM\_001177782  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGACTGATAATTTTACATGTAACAAGACAGATGGAGACAATACAGATTTCCGGTACTTCATTTATGCAG  
TGACATACACTGTTATTCTTGCCAGGCTTATAGGGAACATATTAGCCTTATGGGATTTTACGGCTA  
TATGAAAGAAACAAAAGGGCTGTGGTATTTATGATAAACCTAGCCATTGCTGACTTATTACAGATTCTC  
TCTCTGCCACTGAGGATCTTTACTACTTGAACCATGACTGGCCATTTGGTCTGGTCTCTGCATGTTTT  
GTTTCTACCTGAAATATGTAACATGTATGCCAGCATCTACTTCTGGTCTGCATCAGTGTGCGAAGATT  
TTGGTTTCTCATGTACCCCTTTCGTTTCAATGACTGCAAACAGAAATATGACTTGTATATCAGCATTATT  
GGCTGGCTGATCATCTGCCTTGCCTGCCTGCTCTTTCCTCTCCTCAGAACCAATGATGATACTCCAGGTA  
ACAGAACCAATGCTTTGTGGATCTTCCATCAGGAATGTTAATCTGGCCAATCTGTTGCCATGATAAC  
TATCGGAGAGGTGGTGGGTTTGTACTCCTCTTATGATTGTTTTATACTGTACCTGGAAGACAGCTTTG  
CATTACAAAATAAATATCCCATTTCTCAACATCTGGAGAGAAAAAGAAAGCCCTGAAGATGATTCTGA  
CCTGTGCAGGGGTGTTTCTAGTTTGTCTTGTACCTTATCACTTCAGCTTTCCTTTAGATTTCTGGTTAA  
GTCCAATGAAATTAAGAGTTGCTTTGCCAGAAGAGTGATTCTAATATTTTATTCTGTGGCCCTGTGTCTG  
GCAAGCCTGAACCTCTGTCTTGACCCAGTTATATATTATTTTACCACTAATGAGTTCAGAAGACGCCCTT  
CAAGACAAGATTTGCCTGATAACATCCAACCTCCATACAAAATCATACAAAATTGCAAGTAACCATGCCAC  
TTCTACCGTGGCAGCTGAACTATGTTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001177782



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<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>