

## Product datasheet for **MG220022**

### Gpr174 (NM\_001177782) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Gpr174 (NM\_001177782) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Gpr174  
**Synonyms:** Gm376; Lypsr3  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG220022 representing NM\_001177782  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGC**C

ATGACTGATAATTTTACATGTAACAAGACAGATGGAGACAATACAGATTTCCGGTACTTCATTTATGCAG  
 TGACATACACTGTTATTCTTGTGCCAGGTCTTATAGGGAACATATTAGCCTTATGGGTATTTTACGGCTA  
 TATGAAAGAAACCAAAAGGGCTGTGGTATTTATGATAAACCTAGCCATTGCTGACTTATTACAGATTCTC  
 TCTCTGCCACTGAGGATCTTTACTACTTGAACCATGACTGGCCATTTGGTCTGGTCTCTGCATGTTTT  
 GTTTCTACCTGAAATATGTAACATGTATGCCAGCATCTACTTCTGGTCTGCATCAGTGTGCGAAGATT  
 TTGGTTTCTCATGTACCCCTTTCGTTTCAATGACTGCAAACAGAAATATGACTTGTATATCAGCATTATT  
 GGCTGGCTGATCATCTGCCTTGCCTGCCTGCTCTTTCCTCTCCTCAGAACCAATGATGATACTCCAGGTA  
 ACAGAACCAATGCTTTGTGGATCTTCTATCAGGAATGTTAATCTGGCCAATCTGTTGCCATGATAAC  
 TATCGGAGAGGTGGTGGGTTTGTACTCCTCTTATGATTGTTTTATACTGTACCTGGAAGACAGCTTTG  
 TCATTACAAAATAAATATCCCATTTCTCAACATCTTGGAGAGAAAAAGAAAGCCCTGAAGATGATTCTGA  
 CCTGTGCAGGGGTGTTTCTAGTTTGTCTTGTACCTTATCACTTCAGCTTTCCTTTAGATTTCTGGTTAA  
 GTCCAATGAAATTAAGAGTTGCTTGGCAGAAGAGTGATTCTAATATTTTACCTAATGAGTTCAGAAGACGCCCTT  
 GCAAGCCTGAACCTCTGCTTGGCCAGTTATATATTTTACCCTAATGAGTTCAGAAGACGCCCTT  
 CAAGACAAGATTTGCCTGATAACATCCAACCTCCATACAAAATCATACAAAATTGCAAGTAACCATGCCAC  
 TTCTACCGTGGCAGCTGAACTATGT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG220022 representing NM\_001177782  
 Red=Cloning site Green=Tags(s)

MTDNFTCNKTDGDNTDFRYFIYAVTYTVILVPGLIGNILALWVFGYMKETKRAVVFMINLAIADLLQIL  
 SLPLRIFYYLNHDWPFPGPLCMFCFYLYVNMYSIYFLVCISVRRFWFLMYPFRFNDCKQKYDLYSISII  
 GWLIICLACLLFLLRTNDDTPGNRTKCFVDLPIRNVNLAQSVAMITIGEYVGFVTPLMIVLYCTWKAL  
 SLQNKYPISQHLGEKKKALKMILTCAGVFLVCFVPYHFSFPLDFLVKSNEIKSCFARRVILIFHSVALCL  
 ASLNSCLDPVIYYFTTNEFRRLSRQDLPDNIQLHTKSYKIASNHATSTVAAELC

TRTRPLE - GFP Tag - V

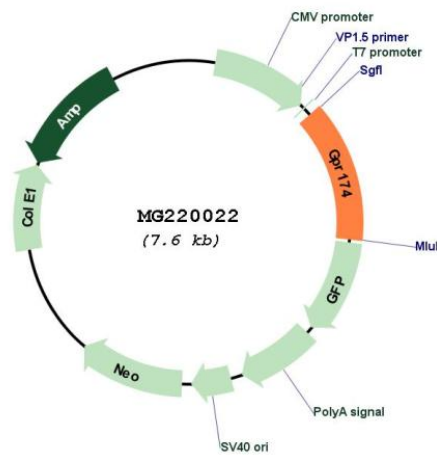
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_001177782

**ORF Size:** 1005 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_001177782.1</a> , <a href="#">NP_001171253.1</a>
<b>RefSeq Size:</b>	4955 bp
<b>RefSeq ORF:</b>	1008 bp
<b>Locus ID:</b>	213439
<b>UniProt ID:</b>	<a href="#">Q3U507</a>
<b>Cytogenetics:</b>	X D
<b>Gene Summary:</b>	Putative receptor for purines coupled to G-proteins.[UniProtKB/Swiss-Prot Function]