

## Product datasheet for RN213426

### Gpr157 (NM\_001012107) Rat Untagged Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Gpr157 (NM\_001012107) Rat Untagged Clone  
 Tag: Tag Free  
 Symbol: Gpr157  
 Synonyms: MGC109533  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 Fully Sequenced ORF: >RN213426 representing NM\_001012107  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGCCACACCCGCGCCTCCACCGAGCTGCTGCCGTGGGAGCGCGGGTGGTACTGCTGTCTGTGTGC  
 TGTGAGCTCTGGGCTCCGGCCTCCTGGTGGCCACGCACGCCCTGTGGCCTGACCTGCGTAGCCGGGCTCG  
 GCGCCTGCTACTTCTCGTGGGATTGCGTCCTCAGGGCGCGCTCTACTTTCCGCAACACCAGTTCCT  
 TCTTCTGGACCGTGGCCATCGCCCTCTACCTATACCTCAATATCGTCCGAGCTACGCGCGGGCCCTGCAC  
 GGACCACCTAGTCTGGGCTTTTCACCTCATCAGCTGGGGTGTCCCGTTGGCTATCACAGTGGCAGCCGTC  
 TGTCTAAAGAAGATAGGCTACGATGCCTCTGATGTGTCCGTGGGCTGGTCTGGATCAACCTGGAGGCCG  
 AGGACCGTGTCTGTGGATGCTACTGACCGGGAAGCTGTGGGAGATGCTGGCTTACATCTTGCTACCTCT  
 GCTGTACCTTTTGGTCAGGAAGCACATCAACAGGGCGCACCGGCGCTCTCGGAGTACCGGCCCATCTGG  
 GAGGGGCGCCAGCTGCAGCGAGGCTCCCCACCTCCATGGCTGATAAGAACTGATCCTCATTCCCTTCA  
 TATTCATCTGCCCTCCGGTCTGGAGCACCGTGCCTTTGCTGACCTCTGTGGCTCCCGGTTGTGCA  
 GGCACCGTGTGGTTGTTCTACATGGCATTGAAACACCTTCCAGGGAGGGGCCAAGTGCATCATGTTT  
 GTCTCTGCACCCGGGCGTCCGCACAAGGCTTCTCTCTCTGCTGCTATCTCGGCCCCCACC  
 AGAACCTCTGGGGTCCATTCCCCCAAGATGGGGGAATCTCAGGAATCCAGACGGACCCAGAAAGT  
 GCCCAGCACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI  
 ACCN: NM\_001012107



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<b>Insert Size:</b>	993 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_001012107.1</a></u> , <u><a href="#">NP_001012107.1</a></u>
<b>RefSeq Size:</b>	2362 bp
<b>RefSeq ORF:</b>	993 bp
<b>Locus ID:</b>	313725
<b>UniProt ID:</b>	<u><a href="#">Q5FVG1</a></u>
<b>Cytogenetics:</b>	5q36
<b>Gene Summary:</b>	Orphan receptor that promotes neuronal differentiation of radial glial progenitors (RGPs). The activity of this receptor is mediated by a G(q)-protein that activates a phosphatidylinositol-calcium second messenger.[UniProtKB/Swiss-Prot Function]