

## Product datasheet for **MG206217**

### Gpr137 (NM\_207220) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Gpr137 (NM\_207220) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Gpr137  
**Synonyms:** A1428855  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG206217 representing NM\_207220  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGAGAGTAACCTGTCTGGTCTGGTGCCTGCAGCTGGGCTGGTACCTGCACTGCCGCCTACAGTGACCC  
 TGGGGCTGACCGCTGCCTACACTGCCCTATATGCTCTGCTCTTCTCTGTCTATGCCAGCTCTGGCT  
 GGTGCTTCTGTATGGGCACAAGCGCCTCAGCTATCAGACAGTATCCTGGCGCTGTCTGCTCTGGCA  
 GCCTTGCTACCACACTTTCTCCTTCTACTTCCGAGATACTCCAGGGCCAACCGCCTGGGGCCCTTGC  
 CTTTTGGCTTCTATTGCTGCCTGTCTGCCTGCAGTTCTTACACTGACGCTTATGAACCTCTACTT  
 TGTGCAGGTGGTGTCAAGGCCAAGGCCAAGCGTCCGGCCAGAGATGAGCCGAGGCTTGTGGCTGTCCGA  
 GGGCCCTTCGTGGGTGCTTCACTGCTCTTTTTGCTGGTGAATGTACTGTGTGAGTGCTGTCTCGCCAGC  
 GCCAGGCACAGCCCTGGGTCTTCTGCTGGTACGTGTCTGGTGGAGCGACTCTCTCTTCGTATCTGTGC  
 CCTCTCGCTTGTGCCTGCCTCTGCCTTGTGGCCCGTCGAGCCCTTCCACCAGCATCTACTTAGAGGCC  
 AAGGGGACCAGCGTGTGTGAGCAGCTGCATAGGGGGTGCCATGGTCTTCTATGCCAGCCGGGCT  
 GTTACAACCTGGCAGCTCTGGCCTTGGCCCTCGAGCCGGCTAGATGCCTTCGATTACGACTGGTACAA  
 CGTATCTGACCAGCAGATCTGGTGAATGACCTAGGGAACAAAGGCTACCTGGTGTGGTCTCATCCTC  
 TTCGTTTTGGAACTGCTGCCACACATTGCTGGTGGGCTTCTTCCGGGTACACCGGCCCCACAGGATC  
 TGAGCACCAGTCGAATCCTCAATGGGCAGGTTTTGGCTCCCGATCCTACTTCTTTGACCGGCTGGCCA  
 CTGTGAGGATGAGGGCTGCTCCTGGGAGCATAGCCGGAGTGAGAGCACCAGCATGTCCGGCAGCCTGGGC  
 TCTGGCAGTTGGTATGGTGCCATCGGACGTGAGCCAGGCTGGGGAGGGCCAGCCAGACGAGGACCCTC  
 CTCTGCTCTTCTCCAGGTGCCAGGACCTGGTAGTCACCACCACAGCCTCTATTCTACACCACAGACG

**ACCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >MG206217 representing NM\_207220  
 Red=Cloning site Green=Tags(s)

MESNLSGLVPAAGLVPALPPTVTLGLTAAYTALYALLFFSVYAQLWLVLVYGHKRLSYQTVFLALCLLWA  
 ALRRTTLFSFYFRDTPRANRLGPLPFWLLYCCPVCLQFFTLTLMNLYFVQVVFKAKAKRRPEMSRGLLAVR  
 GAFVGSALLFLLVNLCAVLSRQRQAQPWVLLLRVLSVDSL FVICALSLAACLCVARRAPSTSIYLEA  
 KGT SVCQAAAIGGAMVLLYASRACYNLAALALAPRSRLDAFDYDWINVSDQADLVNDLGNKGYL VFGIL  
 FVWELLPTTLLVGFFRVHRPPDLSTSRILLNGQVFGSRSYFFDRAGHCEDEGCSWEHSRSESTSMSGSLG  
 SGSWYGAIGREPGWGGASQTRTTPLLFSQVPGPGSHHSLYSTPQT

TRTRPLE - GFP Tag - V

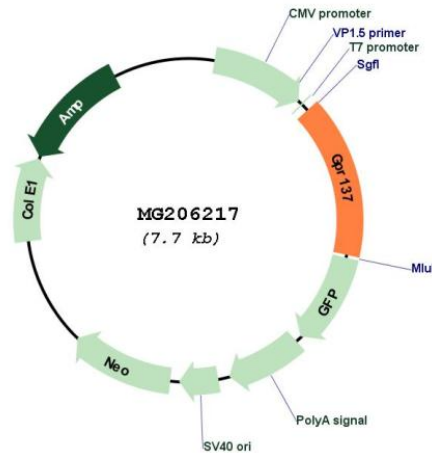
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_207220

<b>ORF Size:</b>	1188 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_207220.3</a>
<b>RefSeq Size:</b>	1744 bp
<b>RefSeq ORF:</b>	1191 bp
<b>Locus ID:</b>	107173
<b>UniProt ID:</b>	<a href="#">Q80ZU9</a>
<b>Cytogenetics:</b>	19 A
<b>Gene Summary:</b>	Lysosomal integral membrane protein that may regulate MTORC1 complex translocation to lysosomes. May play a role in autophagy.[UniProtKB/Swiss-Prot Function]