

## Product datasheet for **RG218962**

### GPR137 (NM\_020155) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** GPR137 (NM\_020155) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** GPR137  
**Synonyms:** C11orf4; GPR137A; TM7SF1L1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG218962 representing NM\_020155  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGAGAGTAACCTGTCTGGCCTGGTGCCTGCTGCCGGGCTGGTGCCTGCGCTGCCACCTGCTGTGACCC  
 TGGGGCTGACAGCTGCCTACACCACCCTGTATGCCCTGCTCTTCTCTCCGTCTATGCCAGCTCTGGCT  
 GGTGCTTCTGTATGGGCACAAGCGTCTCAGCTATCAGACGGTGTCTGGCCCTGTCTGCTCTGGGCC  
 GCCTTGCCTACCACCCTTCTCCTTCTACTTCCGAGATACTCCCGCGCCAACCGCCTGGGGCCCTTGC  
 CCTTCTGGCTTCTACTGCTGCCCGTCTGCCTGCAGTTCTTACCTTGACGCTTATGAACCTCTACTT  
 TGCCAGGTGGTGTCAAGGCCAAGGTGAAGCGTCGGCCGGAGATGAGCCGAGGCTTGTCTGCTGTCCGA  
 GGGCCCTTTGGGGGCCCTCGCTGCTCTTCTGCTGGTGAACGTGCTGTGTGCTGTGCTCTCCCATCGGC  
 GCCGGGCACAGCCCTGGGCCCTGCTGCTTGTCCGCGTCTGGTGAAGGACTCCCTGTTGCTCATCTGCGC  
 GCTGTCTTGTGCTGCCTGCCTCGCTCGCCAGGCGGGCGCCCTCCACTAGCATCTACCTGGAGGCC  
 AAGGGGACCAAGTGTGCCAGGCGCGCGATGGTGGCGCCATGGTCTGCTCTATGCCAGCCGGGCT  
 GCTACAACCTGACAGCACTGGCCTTGGCCCCCAGAGCCGGCTGGACACCTTCGATTACGGCTGGTACAA  
 TGTGTCTGACCAGGCGGACCTGGTGAATGACCTGGGAACAAAGGCTACCTGGTATTTGGCTCATCCTC  
 TTCGTGTGGGAGCTACTGCCACCACCCTGCTGGTGGCTTCTTCCGGGTGCACCGGCCCCACAGGACC  
 TGAGCACCAGCCACATCCTCAATGGGCAGGTCTTGCCTCTCGTCTACTTCTTTGACCGGGCTGGGCA  
 CTGTGAAGATGAGGGCTGCTCCTGGGAGCACAGCCGGGTGAGAGCACCAGGTGCCAGGACCAGGCGGCC  
 ACCACCACAGTCTCTACTCCACCCACAGACGTGATCCCCCTCCCTCCCCACAGAATACCAGGCCCA  
 GTCCCCCTCACCTAGGCCCTGTGCCAAGTTTGTCTGCCGCTTCTTGCCAGGATCCTGGGGTCTGTG  
 CTACCCCTCCTGCGCCGCTCCTGCTGCTCCTGTCATAGTGAGCTTGTGCCGTCCTCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG218962 representing NM\_020155  
 Red=Cloning site Green=Tags(s)

MESNLSGLVPAAGLVPALPPAVTLGLTAAYTTL YALLFFSVYAQLWL VLLYGHKRLSYQTVFLALCLLWA  
 ALRRTTLFSFYFRDTPRANRLGPLPFWLL YCCPVCLQFFTL TLMNLYFAQVVFKAKVKRRPEMSRGLLAVR  
 GAFV GASLLFLL VNVLC AVLSHRRRAQPWALL VRVLVSDSLFVICALSLAACLCVARRAPSTSIYLEA  
 KGT SVQCQAAAMGGAMVLLYASRACYNL TALALAPQSRDLTDFDYGWYNVSDQADLVNDLGNKGYL VFGIL  
 FVWELLPTTLLVGF FRVHRPPQDLSTSHILNGQV FASRSYFFDRAGHCEDEGCSWEHSRGESTRCQDQAA  
 TTTVSTPPHRDPPSPTEYGPSPPHRPLCQVCLPLLAQDPGGRGYPLLWPAPCCSCHSELVPSF

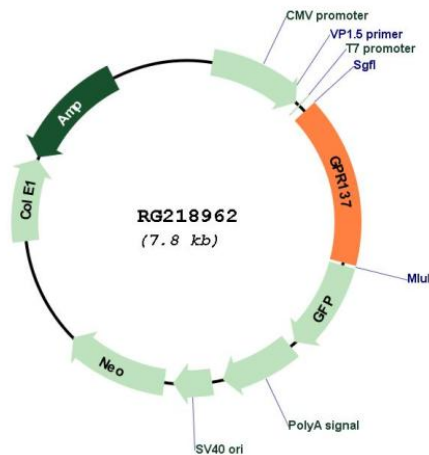
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_020155

<b>ORF Size:</b>	1251 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_020155.2</a> , <a href="#">NP_064540.2</a>
<b>RefSeq Size:</b>	1688 bp
<b>RefSeq ORF:</b>	1254 bp
<b>Locus ID:</b>	56834
<b>UniProt ID:</b>	<a href="#">Q96N19</a>
<b>Cytogenetics:</b>	11q13.1
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Gene Summary:</b>	Lysosomal integral membrane protein that may regulate MTORC1 complex translocation to lysosomes (PubMed:31036939). May play a role in autophagy (PubMed:31036939). [UniProtKB/Swiss-Prot Function]