

Product datasheet for **RG229993**

GPR137 (NM_001170880) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: GPR137 (NM_001170880) 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: >RG229993 representing NM_001170880
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGGAGAGTAACCTGTCTGGCCTGGTGCCTGCTGCCGGGCTGGTGCCTGCCCTGCCACCTGCTGTGACCC
 TGGGGCTGACAGCTGCCTACACCACCCTGTATGCCCTGCTCTTCTTCTCCGTCTATGCCAGCTCTGGCT
 GGTGCTTCTGTATGGGCACAAGCGTCTCAGCTATCAGACGGTGTCTGGCCCTGTCTGCTCTGGGCC
 GCCTTGCCTACCACCCTTCTCCTTCTACTTCCGAGATACTCCCGCGCAACCGCCTGGGGCCCTTGC
 CCTTCTGGCTTCTACTGCTGCCCGTCTGCCTGCAGTTCTTACCTTGACGCTTATGAACCTCTACTT
 TGCCAGGTGGTGTCAAGGCCAAGGTGAAGCGTCGGCCGAGATGAGCCGAGGCTTGTCTGCTGTCCGA
 GGGCCCTTTGTGGGGCCCTCGCTGCTCTTCTGCTGGTGAACGTGCTGTGTGCTGTGCTCTCCCATCGGC
 GCCGGGCACAGCCCTGGGCCCTGCTGCTTGTCCGCGTCTGGTGAGCGACTCCCTGTTGTCATCTGCGC
 GCTGTCTTGTGCTGCCTGCCTCGCTCGCCAGGCGGGCGCCCTCCACTAGCATCTACCTGGAGGCC
 AAGGGGACCAGTGTGTGCCAGGCGCGCGATGGGTGGGCCATGGTCTGCTCTATGCCAGCCGGGCT
 GCTACAACCTGACAGCACTGGCCTTGGCCCCCAGAGCCGGCTGGACACCTTCGATTACGACTGGTACAA
 TGTGTCTGACCAGGCGGACCTGGTGAATGACCTGGGAACAAAGGCTACCTGGTATTTGGCTCATCCTC
 TTCGTGTGGGAGCTACTGCCACCACCCTGCTGGTGGGCTTCTTCCGGGTGCACCGGCCCCACAGGACC
 TGAGCACCAGCCACATCCTCAATGGGCAGGTCTTTCCTCGTCTCGTCTACTTCTTTGACCGGCTGGGCA
 CTGTGAAGATGAGGGCTGCTCCTGGGAGCACAGCCGGGTGAGAGCACCAGTATGTCGGGAGTCTAGGC
 TCTGGGAGCTGGTATGGTGCCATCGGGCGTGAGCCGGGCTGGTATGGGGCAGCCAGACGAAGACCCTC
 CTCTGCTTCTCCAGGTGCCAGGACCAGGCGGCCACCACCACAGTCTCTACTCCACCCACAGACG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG229993 representing NM_001170880
Red=Cloning site Green=Tags(s)

MESNLSGLVPAAGLVPALPPAVTLGLTAA YTLLYALLFFSVYAQLWL VLLYGHKRLSYQT VFLALCLLWA
 ALRRTTLFSFYFRDTPRANRLGPLPFWLLYCCPVCLOFFTL TLMNLYFAQVVFKAKVKRRPEMSRGLLAVR
 GAFV GASLLFLLVNLCAVLSHRRRAQPWALLLVRVLVSDSLFVICALSLAACLCVARRAPSTSIYLEA
 KGT SVQCQAAAMGGAMVLLYASRACYNLTALALAPQSRDLTDFDYD WYNVSDQADLVNDLGNKGYL VFGIL
 FVWELLPTTLLVGFFRVHRPPQLSTSHILLNQVFA SRSYFFDRAGHCEDEGCSWEHSRGESTSMSGSLG
 SGSWYGAIGREPGWYGGSQTKTTPLLFSQVPGPGGHHHSLYSTPQT

TRTRPLE - GFP Tag - V

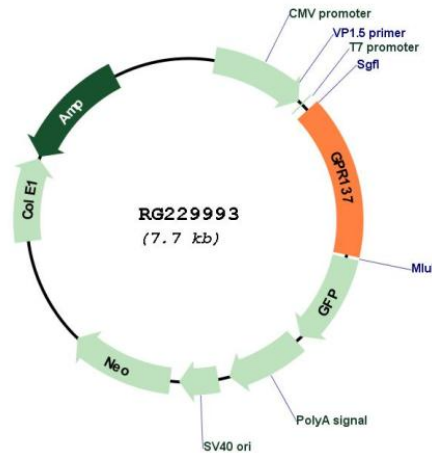
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_001170880

ORF Size:	1188 bp
OTI Disclaimer:	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. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	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).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.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.
RefSeq:	NM_001170880.2
RefSeq Size:	1928 bp
RefSeq ORF:	1191 bp
Locus ID:	56834
UniProt ID:	Q96N19
Cytogenetics:	11q13.1
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	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]