

Product datasheet for RC229993

GPR137 (NM_001170880) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: GPR137 (NM_001170880) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: GPR137
Synonyms: C11orf4; GPR137A; TM7SF1L1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC229993 representing NM_001170880
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGAGTAACCTGTCTGGCCTGGTGCCTGCTGCCGGGCTGGTGCCTGCCCTGCCACCTGCTGTGACCC
TGGGGCTGACAGCTGCCTACACCACCCTGTATGCCCTGCTCTTCTCTCCGTCTATGCCAGCTCTGGCT
GGTGTCTCTGTATGGGCACAAGCGTCTCAGCTATCAGACGGTGTCTGGCCCTCTGTCTGCTCTGGGCC
GCCTTGCCTACCACCCTTCTCCTTCTACTTCCGAGATACTCCCGCGCCAACCGCCTGGGGCCCTTGC
CCTTCTGGCTTCTACTGCTGCCCGTCTGCCTGCAGTTCTTACCTTGACGCTTATGAACCTCTACTT
TGCCAGGTGGTGTCAAGGCCAAGGTGAAGCGTCGGCCGGAGATGAGCCGAGGCTTGTCTGCTGTCCGA
GGGGCCTTTGTGGGGCCTCGCTGCTCTTCTGCTGGTGAACGTGCTGTGTGCTGTGCTCTCCCATCGGC
GCCGGGCACAGCCCTGGGCCCTGCTGCTTGTCCGCGTCTGGTGAGCGACTCCCTGTTGTCATCTGCGC
GCTGTCTTGTGCTGCCTGCCTCGCTCGCCAGGCGGGCGCCCTCCACTAGCATCTACCTGGAGGCC
AAGGGGACCAGTGTGCCAGGCGCGCGATGGGTGGCGCCATGGTCTGCTCTATGCCAGCCGGGCT
GCTACAACCTGACAGCACTGGCCTTGGCCCCCAGAGCCGGCTGGACACCTTCGATTACGACTGGTACAA
TGTGTCTGACCAGGCGGACCTGGTGAATGACCTGGGAACAAAGGCTACCTGGTATTTGGCTCATCCTC
TTCGTGTGGGAGCTACTGCCACCACCCTGCTGGTGGGCTTCTCCGGGTGCACCGGCCCCACAGGACC
TGAGCACAGCCACATCCTCAATGGGCAGGTCTTGCCTCTCGTCCACTTCTTTGACCGGCTGGGCA
CTGTGAAGATGAGGGCTGCTCCTGGGAGCACAGCCGGGTGAGAGCACCAAGTATGTCGGGAGTCTAGGC
TCTGGGAGCTGGTATGGTGCCATCGGGCGTGAGCCGGGCTGGTATGGGGCAGCCAGACGAAGACCACTC
CTCTGCTTCTCCAGGTGCCAGGACCAGGCGGCCACCACCACAGTCTCTACTCCACCCACAGACG

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RC229993 representing NM_001170880
Red=Cloning site Green=Tags(s)

MESNLSGLVPAAGLVPALPPAVTLGLTAAYTTLYALLFFSVYAQLWLVLVYGHKRLSYQTVFLALCLLWA
 ALRRTTLFSFYFRDTPRANRLGPLPFWLLYCCPVCLQFFTLTLMNLYFAQVVFKAKVKRRPEMSRGLLAVR
 GAFVVGASLLFLLVNLCAVLSHRRRAQPWALLVRVLSVDSL FVICALSLAACLCVARRAPSTSIYLEA
 KGTSVQCQAAAMGGAMVLLYASRACYNLTALALAPQSRDLTFDYDWINVSDQADLVNDLGNKGYL VFGIL
 FVWELLPTLLVGFVRVHRPPQDLSTSHILNGQVFASRSYFFDRAGHCEDEGCSWEHSRGESTSMSGSLG
 SGSWYGAIGREPGWYGGSQTKTTPLLFSQVPGPGHHHSLYSTPQT

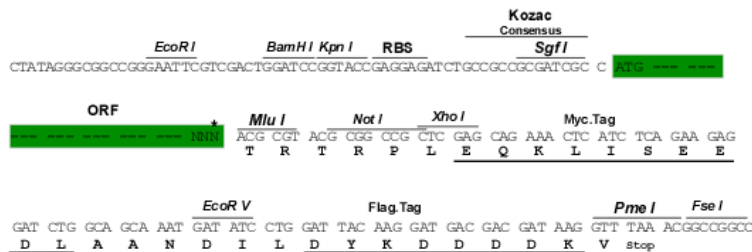
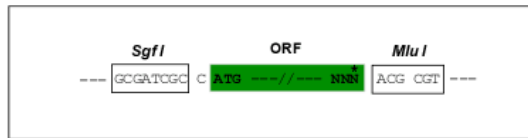
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

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:

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 ORF: 1191 bp

Locus ID: 56834

UniProt ID: [Q96N19](#)

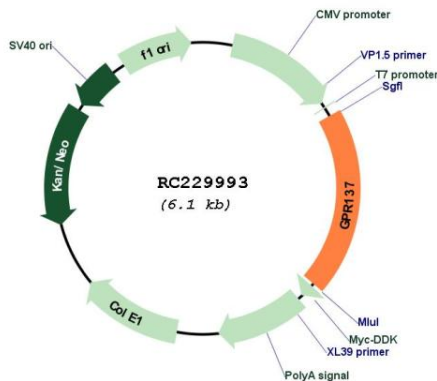
Cytogenetics: 11q13.1

Protein Families: Druggable Genome, Transmembrane

MW: 44.1 kDa

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]

Product images:



Circular map for RC229993