OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC229887

GPR137 (NM_001177358) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR137 (NM_001177358) 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:

>RC229887 representing NM_001177358
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGAGTAACCTGTCTGGCCTGGTGCCTGCTGCCGGGCTGGTGCCTGCGCTGCCACCTGCTGTGACCC
TGGGGCTGACAGCTGCCTACACCACCCTGTATGCCCTGCTCTTCTTCTCCGTCTATGCCCAGCTCTGGCT
GGTGCTTCTGTATGGGCACAAGCGTCTCAGCTATCAGACGGTGTTCCTGGCCCTCTGTCTGCTCTGGGCC
GCCTTGCGTACCACCCTCTTCTCCTTCTACTTCCGAGATACTCCCCGCGCCAACCGCCTGGGGCCCTTGC
CCTTCTGGCTTCTCTACTGCTGCCCCGTCTGCCTGCAGTTCTTCACCTTGACGCTTATGAACCTCTACTT
TGCCCAGGTGGTGTTCAAGGCCAAGGTGAAGCGTCGGCCGGAGATGAGCCGAGGCTTGCTCGCTGTCCGA
GGGGCCTTTGTGGGGGCCTCGCTGCTCTTTCTGCTGGTGAACGTGCTGTGTGCTGTGCTCTCCCATCGGC
GCCGGGCACAGCCCTGGGCCCTGCTGCTTGTCCGCGTCCTGGTGAGCGACTCCCTGTTCGTCATCTGCGC
GCTGTCTCTTGCTGCCTGCCTCTGCCTCGTCGCCAGGCGGGCGCCCTCCACTAGCATCTACCTGGAGGCC
AAGGGGACCAGTGTGTGCCAGGCGGCCGCGATGGGTGGCGCCATGGTCCTGCTCTATGCCAGCCGGGCCT
GCTACAACCTGACAGCACTGGCCTTGGCCCCCCAGAGCCGGCTGGACACCTTCGATTACGACTGGTACAA
TGTGTCTGACCAGGCGGACCTGGTGAATGACCTGGGGAACAAAGGCTACCTGGTATTTGGCCTCATCCTC
TTCGTGTGGGAGCTACTGCCCACCACCCTGCTGGTGGGCTTCTTCCGGGTGCACCGGCCCCCACAGGACC
TGTATGTCGGGCAGTCTAGGCTCTGGGAGCTGGTATGGTGCCATCGGGCG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

>RC229887 representing NM_001177358
Red=Cloning site Green=Tags(s)

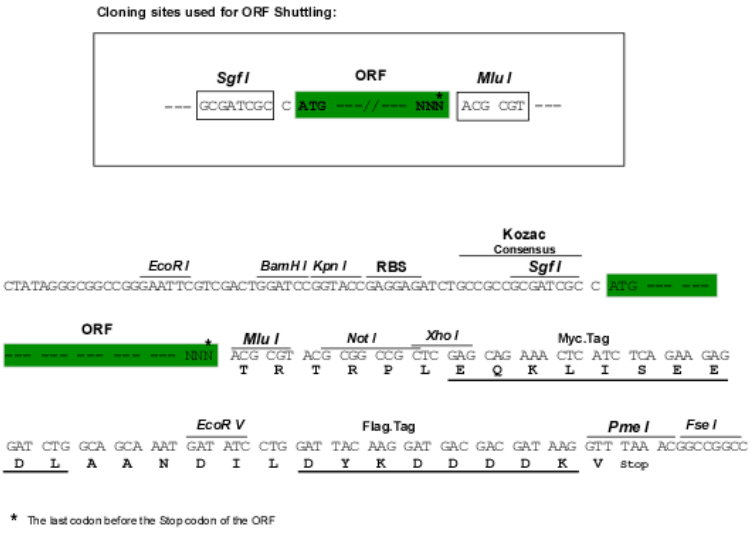
MESNLSGLVPAAGLVPALPPAVTLGLTAAYTTLYALLFFSVYAQLWLVLLYGHKRLSYQTVFLALCLLWA
ALRTTLFSFYFRDTPRANRLGPLPFWLLYCCPVCLQFFTLTLMNLYFAQVVFKAKVKRRPEMSRGLLAVR
GAFVGASLLFLLVNVLCAVLSHRRRAQPWALLLVRVLVSDSLFVICALSLAACLCLVARRAPSTSIYLEA
KGTSVCQAAAMGGAMVLLYASRACYNLTALALAPQSRLDTFDYDWYNVSDQADLVNDLGNKGYLVFGLIL
FVWELLPTTLLVGFFRVHRPPQDLYVGQSRLWELVWCHRA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8051_f08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001177358

ORF Size: 960 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_001177358.2

RefSeq ORF: 963 bp

Locus ID: 56834

UniProt ID: Q96N19

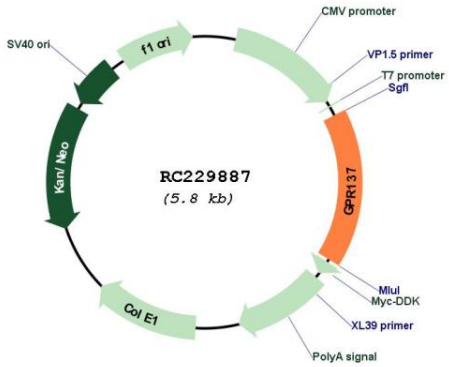
Cytogenetics: 11q13.1

Protein Families: Druggable Genome, Transmembrane

MW: 36.2 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 RC229887