

Product datasheet for **RC230140**

GPR137 (NM_001170726) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | GPR137 (NM_001170726) 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) |



[View online »](#)

ORF Nucleotide Sequence:

>RC230140 representing NM_001170726
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTCTGGGCTGTGAGGACAAGATGTTACGTAGTCAAGGCACAGCTGGGGCCAACGGTGGCCCTGGAAG
 GCAGAGCACCCCGGGCTCCGGGCCCTAGTTGCTTGGGCAACGGGAAGTGTAGAGCAGCTGGCCCAATCAC
 CTCTCGGAACGTCACTCGGGCCTCCCTCCCTGACATGGAGAGTAACCTGTCTGGCCTGGTGCCTGCTGCC
 GGGCTGGTGCCTGCGCTGCCACCTGCTGTGACCTGGGGCTGACAGCTGCCTACACCACCCTGTATGCC
 TGCTCTTCTTCTCCGTCTATGCCAGCTCTGGCTGGTGTCTGTATGGGCACAAGCGTCTCAGTATCA
 GACGGTGTCTGGCCCTCTGTCTGCTCTGGGCCGCTTGGTACCACCCTTTCTCCTTCTACTTCCGA
 GATACTCCCCGCGCAACCGCTGGGGCCCTTGGCCTTCTGGCTTCTCTACTGCTGCCCCGTCTGCCTGC
 AGTTCTTACCTTGACGCTTATGAACCTCTACTTTGCCAGGTGGTGTCAAGGCCAAGGTGAAGCGTCCG
 GCCGGAGATGAGCCGAGGCTTGTCTGCTGTCCGAGGGGCTTTGTGGGGGCTCGCTGCTTTTCTGCTG
 GTGAACGTGCTGTGTGCTGTCTCCCATCGGCGCCGGGCACAGCCCTGGGCCCTGCTGCTTGTCCGCG
 TCCTGGTGAGCGACTCCCTGTTGTCATCTGCGCGCTGTCTTGTCTGCCTGCCTCTGCCTCGTCGCCAG
 GCGGGCGCCCTCCACTAGCATCTACCTGGAGGCCAAGGGGACAGTGTGTGCCAGGCGGCCGCGATGGGT
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 GCCGGCTGGACACCTTCGATTACGACTGGTACAATGTGTCTGACCAGGCGGACCTGGTGAATGACCTGGG
 GAACAAAGGCTACCTGGTATTTGGCCTCATCTTCTGTGTGGGAGCTACTGCCACCACCCTGCTGGTG
 GGCTTCTCCGGTGCACCGCCCCACAGGACCTGAGCACCAGCCACATCTCAATGGGAGGTCTTTG
 CCTCTCGGTCTACTTCTTTGACCGGGCTGGGCACTGTGAAGATGAGGGGCTGCTCTGGGAGCAGCCCG
 GGGTGAGAGCACCAAGGTGCCAGGACCAGGCGGCCACCACCAGTCTCTACTCCACCCACAGACGTGAT
 CCCCCTCCCTCCCCACAGAATACCCAGCCCCAGTCCCCCTCACCTAGGCCCTGTGCCAAGTTTGT
 TGCCGCTTCTTGGCCAGGATCCTGGGGTCTGGTACTCCCTCTCTGGCCGGCTCCTTGTGCTCCTG
 TCATAGTGAGCTTGTGCCGTCCCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC230140 representing NM_001170726
 Red=Cloning site Green=Tags(s)

MLWAVRTRCYVVKAKQLGPTVALEGRAPRAPGPSCLGNGNCQRPGPITSRNVTRASLPDMESNLSGLVPAA
 GLVLPALPPAVTLGLTAAYTTLYALLFFSVYAQLWLVLVYGHKRLSYQTVFLALCLLWAALRRTTLFSFYFR
 DTPRANRLGPLPFWLLYCCPVCLQFFTLTMNLVFAQVVFKAQVRRPEMSRGLLAVRGAFVGSALLFLL
 VNVLCVLSHRRRAQPWALLLVRLVSDSLFVICALSLAACLCVARRAPSTSIYLEAKGTSVCQAAMG
 GAMVLLYASRACYNLTALALAPQSRLDTFDYDWNVSDQADLVNDLGNKGYLVFGLILFWWELLPTLLV
 GFFRVHRPPQDLSTSHILNGQVFASRSYFFDRAGHCEDEGCSWEHSRGESTRCQDQAATTTVSTPPHRRD
 PPPSPTEYPGPSPPHPRPLCQVCLPLLAQDPGGRGYPLLWPAPCCSCHSELVPSP

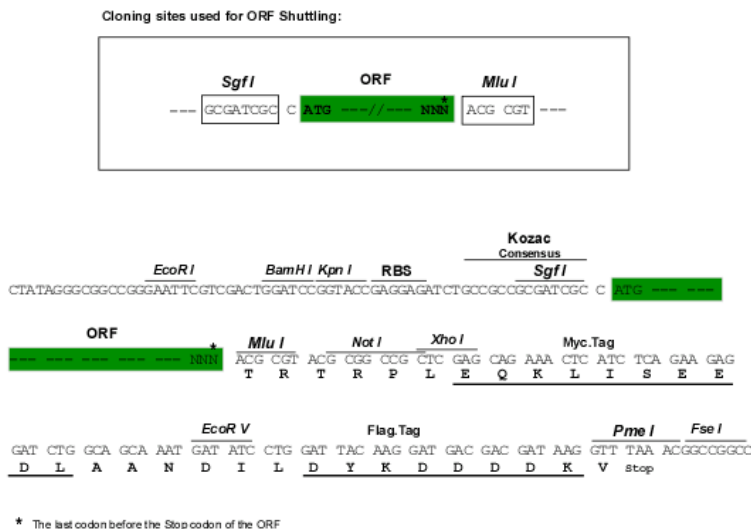
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja1146_f07.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001170726

ORF Size: 1425 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_001170726.1](#), [NP_001164197.1](#)

RefSeq ORF: 1428 bp

Locus ID: 56834

UniProt ID: [Q96N19](#)

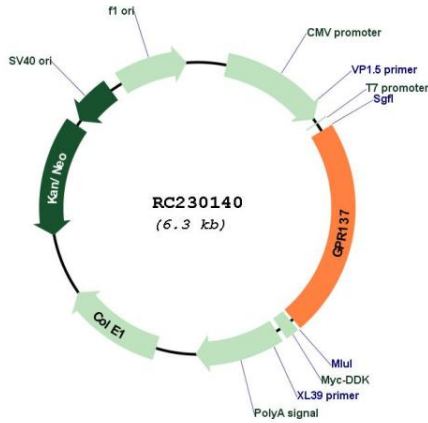
Cytogenetics: 11q13.1

Protein Families: Druggable Genome, Transmembrane

MW: 52.7 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 RC230140