

Product datasheet for SC304712

GPR137 (NM_020155) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR137 (NM_020155) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPR137
Synonyms:	C11orf4; GPR137A; TM7SF1L1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC304712 representing NM_020155. Blue=Insert sequence Red=Cloning site Green=Tag(s)

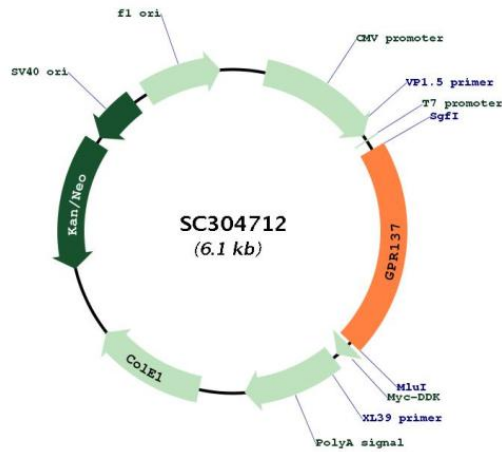
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GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
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CTGGGGCTGACAGCTGCCTACACCACCCTGTATGCCCTGCTCTTCTTCTCCGTCTATGCCAGCTCTGG
CTGGTGTCTGTATGGGCACAAGCGTCTCAGCTATCAGACGGTGTTCCTGGCCCTGTCTGCTCTGG
GCCGCTTGGCTACCACCCTCTTCTCTCTACTTCCGAGATACTCCCCGCGCAACCGCTGGGGCCC
TTGCCCTTCTGGCTTCTACTGCTGCCCGTCTGCCTGCAGTTCTTACCTTGACGCTTATGAACCTC
TACTTTGCCAGGTGGTGTCAAGGCCAAGGTGAAGCGTCGGCCGAGATGAGCCGAGGCTTGCTCGCT
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CAGGACCAGGCGGCCACCACCACAGTCTCTACTCCACCCACAGACGTGATCCCCCTCCCTCCCCACA
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GATCCTGGGGTCTGTGGTACCCCTCCTCTGGCCGGCTCCTGCTGCTCCTGTGATAGTGGCTTGTG
CCGTCCCCCTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_020155

Insert Size: 1254 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_020155.3](#)

RefSeq Size: 1822 bp

RefSeq ORF: 1254 bp

Locus ID: 56834

UniProt ID: Q96N19

Cytogenetics: 11q13.1

Protein Families: Druggable Genome, Transmembrane

MW: 46.1 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]
Transcript Variant: This variant (3) differs in the 5' and 3' UTRs and has multiple coding region differences, compared to variant 1, one of which results in a frameshift. The resulting protein (isoform 3) has a distinct C-terminus and is longer than isoform 1.