

Product datasheet for SC328525

GPR137 (NM_001177358) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR137 (NM_001177358) 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:	>SC328525 representing NM_001177358. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGGAGAGTAACCTGTCTGGCCTGGTGCCTGCTGCCGGGCTGGTGCCTGCCCTGCCACCTGCTGTGACC
 CTGGGGCTGACAGCTGCCTACACCACCCTGTATGCCCTGCTCTTCTTCTCCGTCTATGCCAGCTCTGG
 CTGGTGTCTGTATGGGCACAAGCGTCTCAGCTATCAGACGGTGTTCCTGGCCCTCTGTCTGCTCTGG
 GCCGCTTGGCTACCACTCTTCTCTCTCTACTTCCGAGATACTCCCCGCGCAACCGCTGGGGCCC
 TTGCCCTTCTGGCTTCTCTACTGCTGCCCCGTCTGCCTGCAGTTCTTACCTTGACGCTTATGAACCTC
 TACTTTGCCAGGTGGTGTCAAGGCCAAGGTGAAGCGTCGGCCGAGATGAGCCGAGGCTTGCTCGCT
 GTCCGAGGGGCCCTTGTGGGGCCCTCGCTGCTCTTCTGCTGGTGAACGTGCTGTGTGCTGCTCTCC
 CATCGGCGCCGGGCACAGCCCTGGGCCCTGCTGCTTGTCCGCGTCTGGTGAGCGACTCCCTGTTCTGTC
 ATCTGCGCGCTGTCTTGTGCTGCCTGCCTCTGCCTCGTCGCCAGGCGGGCGCCCTCCACTAGCATCTAC
 CTGGAGGCCAAGGGGACCAAGTGTGTGCCAGGCGGCCGCGATGGGTGGCGCCATGGTCTGCTCTATGCC
 AGCCGGGCTGCTACAACCTGACAGCACTGGCCTTGGCCCCCAGAGCCGGCTGGACACCTTCGATTAC
 GACTGGTACAATGTGTCTGACAGGCGGACCTGGTGAATGACCTGGGAACAAAGGCTACCTGGTATTT
 GGCCTCATCTCTTCTGTGGGAGCTACTGCCACCACCCTGCTGGTGGGCTTCTTCCGGGTGCACCGG
 CCCCCACAGGACCTGTATGTCGGGCAGTCTAGGCTCTGGGAGCTGGTATGGTGCATCGGGCG**TGA**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001177358
Insert Size:	963 bp


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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:	<u>NM_001177358.1</u>
RefSeq Size:	1861 bp
RefSeq ORF:	963 bp
Locus ID:	56834
UniProt ID:	<u>Q96N19</u>
Cytogenetics:	11q13.1
Protein Families:	Druggable Genome, Transmembrane
MW:	35.8 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 (5) differs in the 5' UTR and has multiple coding region differences, compared to variant 1, one of which results in a frameshift. The resulting protein (isoform 5) includes an alternate segment and has a shorter and distinct C-terminus, compared to isoform 1.