

Product datasheet for **MR219524**

Gpr137 (NM_001177362) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gpr137 (NM_001177362) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Gpr137
Synonyms: A1428855
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR219524 representing NM_001177362
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTCCAAGGAGTGATGGGTATCTCTGCTCCAGGTGGTGTCAAGGCCAAGCGAAGCGTCGGCCA
GAGATGAGCCGAGGCTTGGGACCAGCGTGTGTCAGGCAGCTGCTATAGGGGTGCCATGGTCCTTCTCTA
TGCCAGCCGGCCTGTTACAACCTGGCAGCTCTGGCCTTGCCCTCGGAGCCGGCTAGATGCCTTCGAT
TACGACTGGTACAACGTATCTGACCAGGCAGATCTGGTGAATGACCTAGGGAACAAGGCTACCTGGTGT
TTGGTCTCATCCTCTTCGTTTGGAACTGCTGCCACCACATTGCTGGTGGGCTTCTCCGGGTACACCG
GCCCCACAGGATCTGAGCACCAGTCGAATCCTCAATGGGAGGTTTTTGGCTCCCGATCCTACTCTTT
GACCGGGCTGGCCACTGTGAGGATGAGGGCTGCTCCTGGGAGCATAGCCGGAGTGAGAGCACCAGCATGT
CCGGCAGCCTGGGCTCTGGCAGTTGGTATGGTGCCATCGGACGTGAGCCAGGCTGGGGAGGGCCAGCCA
GACGAGGACCCTCTGCTCTTCTCCAGGTGCCAGGACCTGGTAGTCACCACCACAGCCTCTATTCT
ACACCACAGACG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR219524 representing NM_001177362
 Red=Cloning site Green=Tags(s)

MVQRSDGVSLLPGGVQGGQGEASARDEPRLGTSVCQAAAIGGAMVLLYASRACYNLAALALAPRSRLDAFD
 YDWYNVSDQADLVNDLGNKGYL VFGLILFWELLPTTLLVGF FRVHRPPQDLSTSRILNGQVFGSRSYFF
 DRAGHCEDEGCSWEHSRSESTSMGSLGSGSWYGAIGREPWWGASQTRTTPLLF SQVPGPGSHHSLYS
 TPQT

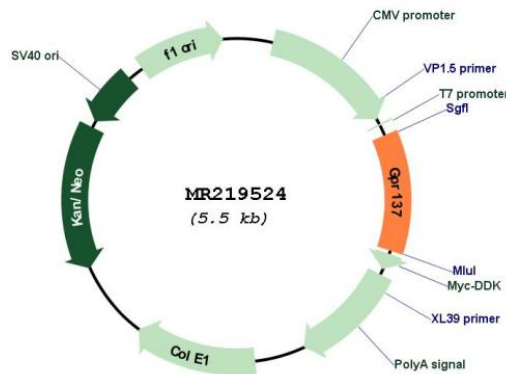
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001177362

ORF Size: 642 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:	<ol style="list-style-type: none">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_001177362.2
RefSeq Size:	1433 bp
RefSeq ORF:	645 bp
Locus ID:	107173
Cytogenetics:	19 A
MW:	23.5 kDa
Gene Summary:	Lysosomal integral membrane protein that may regulate MTORC1 complex translocation to lysosomes. May play a role in autophagy.[UniProtKB/Swiss-Prot Function]