

Product datasheet for MR219522

Gpr137 (NM_001177361) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Gpr137 (NM_001177361) Mouse Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Gpr137
 Synonyms: A1428855
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >MR219522 representing NM_001177361
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCAATGGTCGTTGCGATGGTTATTGCTCCCCCTGGACCGAGTGACCGGATGGGAAGACCAGCTCCTT
 CTTCCCGATCGTGGAGGCCCTTGCACTGCCCGTCTTGGGGACAACCCCCGCGCCATTTGGGAGCTCCTT
 TACGGCAGGATGGCCGCCGGGTGCGGAAGAAGGGACGGGGCGCCAGGAAGGCGAGCCGTGGGGCTCCA
 GGGGCTCTGCTGCCAGGATAGGTGAACCACGGGAACCGGTGTGGTGGGAGTAGGAGGGCAATCTCAAT
 GGTCCAAAGGAGTGATGGGTATCTCTGCTCCAGGTGGTGTTC AAGCCAAGGCGAAGCGTCGGCCAGA
 GATGAGCCGAGGCTTGTGGCTGTCCGAGGGCCCTTCGTGGGTGCTTCACTGCTCTTTTGTGGTGAAT
 GTACTGTGTGCACTGCTGTCTCGCCAGCGCCAGGCACAGCCCTGGGTCTTCTGTGTTACGTGCTCCTGG
 TGAGCGACTCTCTTTCGTCATCTGTGCCCTCTCGCTTGTGCTGCCTCTGCCTTGTGGCCCGTCGAGC
 CCCTTCCACCAGCATCTACTTAGAGGCCAAGGGGACCAGCGTGTGTGACGGCAGCTGCTATAGGGGTGCC
 ATGGTCCTTCTATGCCAGCCGGGCTGTTACAACCTGGCAGCTCTGGCCTTGGCCCTCGGAGCCGGC
 TAGATGCCTTCGATTACGACTGGTACAACGTATCTGACCAGGCAGATCTGGTGAATGACCTAGGGAACAA
 AGGCTACCTGGTGTGGTCTCATCTCTCGTTTGGAACTGCTGCCACCACATTGCTGGTGGGCTTC
 TTCCGGGTACACGGCCCCACAGGATCTGAGCACCAGTCAATCCTCAATGGGACGGTTTTTGGCTCCC
 GATCTACTTCTTTGACCGGGCTGGCCACTGTGAGGATGAGGGCTGCTCCTGGGAGCATAGCCGGAGTGA
 GAGCACCAGCATGTCGGCAGCCTGGGCTCTGGCAGTTGGTATGGTCCATCGGACGTGAGCCAGGCTGG
 GGAGGGCCAGCCAGACGAGGACCACTCTCTGCTCTTCTCCAGGTGCCAGGACCTGGTAGTACCACC
 ACAGCCTCTATTCTACACCACAGACG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR219522 representing NM_001177361
Red=Cloning site Green=Tags(s)

MQWSLRWLLLPLDRVTGMGRPAPSSRSWRPCTARLGDNPPRHFGSSFTAGWPPGCGRRDGAPRKASRGAP
 GASAARIGVTTGTGVVGVGGQSQWSKGVMGYLCSQVVFKAKAKRRPEMSRGLLAVRGAFV GASLLFLLVN
 VLCAVLSRQRQAQPWVLLLVRLVSDSLFVICALSLAACLCVARRAPSTSIYLEAKGTSVCQAAAIGGA
 MVLLYASRACYNLAALALAPRSRLDAFDYDWYNVSDQADLVNDLGNKGYL VFGILFVWELLPTLLLVGF
 FRVHRPPQDLSTSRILNGQVFGSRSYFFDRAGHCEDEGCSWEHSRSESTSMSGSLGSGSWYGAIGREPWG
 GGASQTRTTPLLSQVPGPGSHHHSLYSTPQT

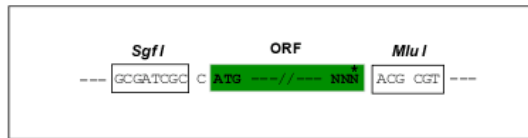
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001177361

ORF Size: 1146 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_001177361.2

RefSeq Size: 1742 bp

RefSeq ORF: 1149 bp

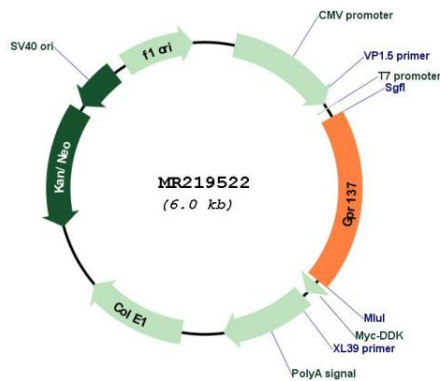
Locus ID: 107173

Cytogenetics: 19 A

MW: 41.6 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]

Product images:



Circular map for MR219522