

Product datasheet for **MR213244**

Gpr137c (NM_027518) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gpr137c (NM_027518) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gpr137c
Synonyms:	6330416L11Rik; Gm908; TM7SF1L2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR213244 representing NM_027518
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGGGTATCAGTGTCCGGGCCGGCGCCCGCGGTCCACGCGCGCCGGAACCTCGACGTCCG
 GCGGGGGCGCCGTCGCGGCCTCGGGCGCCGCGTTCCCGGTTCCGTGCAGCTGGCGCTGAGCGTGC
 CGCGCTGCTCTACGCGCGCTCTTCGCCTTTGCCTACCTGCAGCTGTGGCGGCTGCTCCTGTACCGGAG
 CGGCGGCTCAGTTACCAGAGCCTCTGCCTCTTCTGTGTCTCGCGTGGGAGCGCTCAGGACCACGCTCT
 TCTCGGCCGCTTCTCCCTCAGCGGCTCTGCCCCTGCTGCGGCCACCCCTCTCGCTGCACTTCTCC
 GCACTGGTGTCTACTGCTTCCCCTCTGCCTACAGTCTCCACGCTGTGTCTCCTCAACCTCTACCTG
 GCAGAGGTGATATGTAAGTCAGATGTGCCACTGAACTTGACAAACACAAAATTCTACTGCATTTGGGCT
 TTACTGGCAAGCCTCCTCTTCTTAGCAGTGAACCTGACCTGTGCAATGCTAGTCCACGGAGATGTCC
 AGAAAATCAATTGAAATGGACTGTGTTTATTCGAGCACTAATTAACGATAGCCTGTTTATCTCTGTGCC
 ATCTCTTTAGTTAGCTACATATGCAAAATTACAAAATGTCATCAGCAAATGTCTACCTCGAATCAAAGG
 GTATGTCTCTGTGCCAGACTGTCATCGTGGGCTCTGTAGTCATTCTTCTACTCTTCCAGAGCTTGTTA
 TAATCTGGTAGTGATCACCATATCACAGGATACCTTAGAGAGTCCATTTAATTATGGCTGGGATAATCTT
 TCAGATAAGGCTCAGGGAGAAGACGGAAATGGAGGAGACTACATTGTCTTTGGAATGGTCTCTTTCTGT
 GGGAGCATGTACCAGCATGGTCACTGTTACTATTTTTCCGGGCACAGAGATTAACCAGAATCTGGCACC
 TGCTGGCATGATAAGCAGCCACAGCTACAGCTCCAGGGCTTTCTTTTCGACAATCCAAGACGGTATGAC
 AGTGACGACGACTTGCCAAGACTGGGAACTCACGGGAAGGAAGTTTATCAAACCTCGAACTTTGGGCT
 GGTACGGCACCATGACTGGGTGTGGCGGGCACCTACACAGTACACCCCACTGAATGGACCTGTGAC
 AGACACTGCTCCTTTGCTCTTACGCTGCAGTAATTTAGATATAAGGAATCACCATAGCTTATACGTAAC
 CCACAGAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR213244 representing NM_027518
 Red=Cloning site Green=Tags(s)

MRVSVSGPAAAAPVPTAGREPSTSGGVAASGAAPGVSQQLALSVLHALLYAALFAFAYLQLWRLLYRE
 RRLSYQSLCLFLCLAWAALRTTLFSAAFSLSGSLPLLRPPSRLHFFPHWLLYCFPSCLQFSTLCLLNLYL
 AEVICKVRCATEL DKHKILLHLGFI LASSLFLAVNLTCAMLVHGDV PENQLKWTV F IRAL INDSLFI LCA
 ISLVSYICKITKMSSANVYLESKGMSLCQTVIVGSVVILLYSSRACYNLVVITISQDTLESPFNYGWDL
 SDKAQGEDGNGGDYIVFGMVLFLWEHVPAWSVVLFFRAQRLNQLAPAGMISSHSYSSRAFFFDNPRRYD
 SDDLPLRLGNSREGSLSNSQTLGWYGMTGCGGGTYTVPPLNGPVTDTAPLLFTCSNLDIRNHSLYVT
 PQN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9018_b05.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_027518

ORF Size: 1269 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_027518.2](#), [NP_081794.2](#)

RefSeq Size: 2444 bp

RefSeq ORF: 1272 bp

Locus ID: 70713

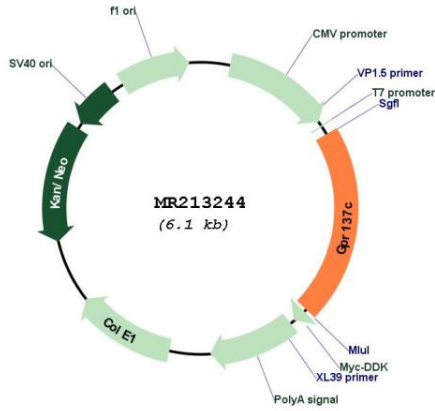
UniProt ID: [E9Q343](#)

Cytogenetics: 14 C1

MW: 46.9 kDa

Gene Summary: Lysosomal integral membrane protein that may regulate MTORC1 complex translocation to lysosomes.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR213244