

Product datasheet for **MG213244**

Gpr137c (NM_027518) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gpr137c (NM_027518) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Gpr137c
Synonyms: 6330416L11Rik; Gm908; TM7SF1L2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG213244 representing NM_027518
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGGGTATCAGTGTCCGGGCCGGCGCCGCGGTCCCCACGGCCGGCCGCGAACCCCTCGACGTCCG
 GCGGGGGCGCGTCCGGCCCTCGGGCGCCGCGTTCGGTTCGAGCTGGCGCTGAGCGTGTGCA
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 GCACTGGCTGCTCTACTGCTTCCCTCCTGCCTACAGTTCTCCAGCTCTGTCTCCTCAACCTCTACCTG
 GCAGAGGTGATATGTAAGTCAAGTGTGCCACTGAACTTGACAAACACAAAATTCTACTGCATTTGGGCT
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 TCAGATAAGGCTCAGGGAGAAGACGGAATGGAGGAGACTACATTGTCTTTGGAATGGTCTCTTTCTGT
 GGGAGCATGTACCAGATGGTCAGTGGTACTATTTTTCCGGGCACAGAGATTAACCAGAATCTGGCACC
 TGCTGGCATGATAAGCAGCCACAGCTACAGCTCCAGGGCTTTCTTTTTGACAATCCAAGACGGTATGAC
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 AGACACTGCTCCTTTGCTCTTACGTGCAGTAATTTAGATATAAGGAATCACCATAGCTTATACGTAAC
 CCACAGAAC

AC**CGCT**ACGGCGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG213244 representing NM_027518
 Red=Cloning site Green=Tags(s)

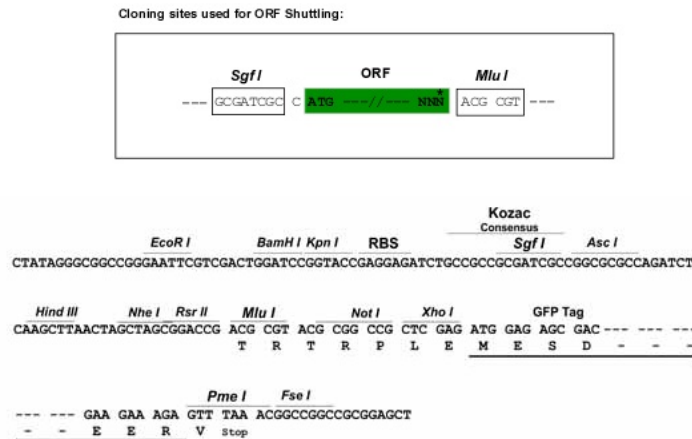
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 RRLSYQSLCLFLCLAWAALRTTLFSAAFSLSGSLPLLRRPPSRLHFFPHWLLYCFPSCLQFSTLCLLNLYL
 AEVICKYRCATELDKHKILLHLGFILASLLFLAVNLTCAMLVHGDVPEQLKWTVFIKALINDSLFILCA
 ISLVSYICKITKMSSANVYLESKGMSLCQTVIVGSSVILLYSSRACYNLVVITISQDTLESPFNYGWDNL
 SDKAQGEDGNGGDYIVFGMVLFLWEHVPAWSVLFVFFRAQRLNQNLAPAGMISSHSYSSRAFFFDNPRRYD
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 PQN

TRTRPLE - GFP Tag - V

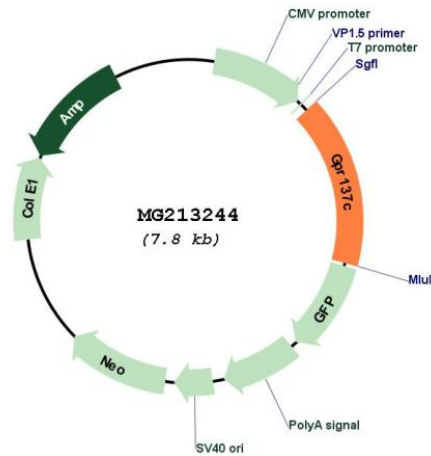
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



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:	<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_027518.2 , NP_081794.2
RefSeq Size:	2444 bp
RefSeq ORF:	1272 bp
Locus ID:	70713
UniProt ID:	E9Q343
Cytogenetics:	14 C1
Gene Summary:	Lysosomal integral membrane protein that may regulate MTORC1 complex translocation to lysosomes.[UniProtKB/Swiss-Prot Function]