

Product datasheet for **RR207996**

Gpr137 (NM_001109562) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gpr137 (NM_001109562) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Gpr137
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR207996 representing NM_001109562
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGC**C

ATGGAGAGTAACCTGTCTGGTCTGGTGCCTGCAGCTGGGCTGGTACCTGCACTGCCTCCTACAGTGACCC
TGGGGCTGACCGCTGCCTACACTGCCCTATATGCTCTTCTCTTCTCTGTCTATGCCAGCTCTGGCT
GGTCTTCTGTATGGGCACAAGCGCCTCAGCTATCAGACGGTATTCTGGCACTGTCTGCTCTGGGCT
GCCTTGCGTACCACACTTCTCCTTCTACTTCCGAGATACTCCAGGGCCAACCGCTGGGGCCCTTGC
CTTTTTGGCTTCTCTATTGCTGCCCTGTCTGCCTGCAGTTCTTACACTGACGCTTATGAACCTCTACTT
TGCGCAGGTGGTGTCAAGGCCAAGGCGAAGCGTCGGCCAGAGATGAGCCGAGGCTTGTGGCTGTCCGA
GGGGCCTTCGTGGGTGCTTCACTGCTCTTTTTGCTGGTGAATGTACTGTGTGAGTGTCTCGCCAGC
GCCAGGCACAGCCCTGGGTCCTTCTGCTGGTACGCGTCTGGTGGAGCGACTCCCTCTTGTCTATCTGCGC
CCTCTCGCTTGTGCTGCTGCTGCTTGTGGCCCGTCGAGCCCTTCCACCAGCATCTACTTAGAGGCC
AAGGGGACCAGTGTGTGTCAGGCAGCTGCTATAGGGGGTGCCATGGTCTGCTCTATGCCAGCCGGGCT
GTTACAACCTGGCAGCTCTGGCTTTGGCCCTCGGAGCCGGCTAGATGCCTTCGATTACGACTGGTACAA
CGTATCTGACCAGGCAGATCTGGTGAACGACCTAGGGAACAAAGGTTACTTGGTGTGGGCTCATCCTC
TTCGTGTGGGAATTACTGCCACCACATTGCTGGTGGGCTTCTCCGGGTACACCGGCCCCACAGGACC
TGAGTACCAGTCGAATCCTCAATGGGCAGGTTTTGGCTCCCGATCCTACTTCTTTGACCGGGCTGGCCA
CTGTGAGGATGAGGGCTACTCCTGGGAGCATAGCCGGAGTGAGAGCACCAGCATGTCCGGCAGCCTGGGC
TCTGGCAGTTGGTATGGTGCCATCGGGCGTGAGCCAGGCTGGGGAGGGCCAGCCAGACGAGGACCCTC
CTCTGCTTCTCCAGGTGCCAGGACCTGGTAGCCACCACCACAGCCTTATTCCACGCCACAGACG

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA



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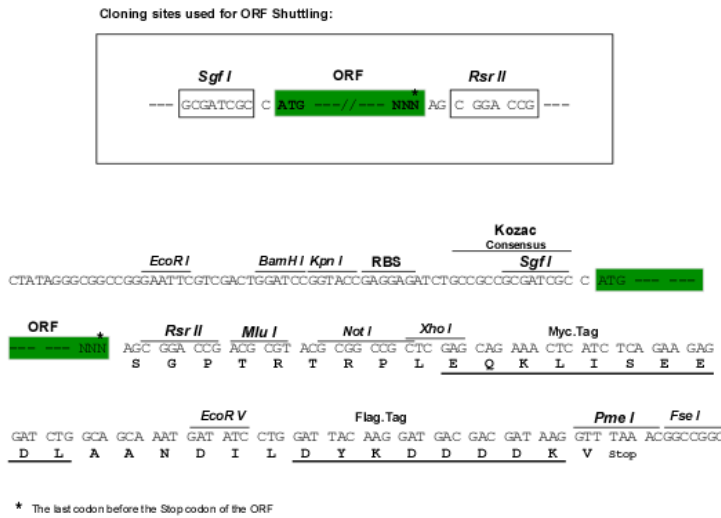
Protein Sequence: >RR207996 representing NM_001109562
 Red=Cloning site Green=Tags(s)

MESNLSGLVPAAGLVPALPPTVTLGLTAAAYTALYALLFFSVYAQLWL VLLYGHKRLSYQTVFLALCLLWA
 ALRTTLFSFYFRDTPRANRLGPLPFWLLYCCPVCLQFFTLTLMNLYFAQVVFKAKAKRRPEMSRGLLAVR
 GAFV GASLLFLLVNLCAVLSRQRQAQPWVLLVLRVLSVDSL FVICALSLAACLCVARRAPSTSIIYLEA
 KGT SVCQAAAIGAMVLLYASRACYNLAALALAPRSRLDAFDYDWINVSDQADLVNDLGNKGYLVFGLIL
 FVWELLPTLLLVGFVRVHRPPQDLSTSRILNGQVFGSRSYFDRAGHCEDEGYSWEHSRSESTSMSGSLG
 SGSWYGAIGREPWGWSQTRTTPLLFSQVPGPGSHHLSLYSTPQT

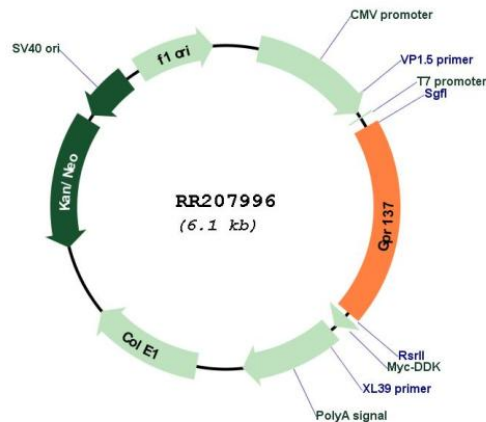
SGP TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:



Plasmid Map:



ACCN: NM_001109562

ORF Size:	1188 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_001109562.2 , NP_001103032.1
RefSeq Size:	1687 bp
RefSeq ORF:	1191 bp
Locus ID:	689984
Cytogenetics:	1q43
MW:	43.6 kDa