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Product datasheet for RR213252

Gpr89b (NM_001139486) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gpr89b (NM_001139486) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gpr89b
Synonyms:	Gpr89; RGD1304837
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

ORF Nucleotide Sequence:

>RR213252 representing NM_001139486
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGCTTCTTGATCGACTCCAGCATCATGATCACCTCCCAGATACTGTTCTTTGGATTCGGGTGGCTTT
TCTTCATGCGCCAGTTGTTTAAGGACTATGAGGTTCGTCAGTATGTGGTGCAGGTGATCTTCTCCGTGAC
CTTTGCGTTTTCCTGCACCATGTTCGAGCTTATCATCTTTGAAATCTTGGGAGTTCTGAACAGCAGCTCC
CGTTACTTTCACTGGAAAATGAACCTGTGTGTCATTCTGCTCATCCTGGTTTTCATGGTTCCCTTCTACA
TTGGTTATTTTATCGTGAGTAACATCCAACTGTTGCACAAACAGCGTCTGCTCTTTTCCTGTCTCTTATG
GCTGACCTTTATGTACTTCTTCTGGAAGCTGGGAGATCCATTCCCCATACTCAGCCCAAAACATGGGATC
TTGTCCATAGAGCAGCTCATCAGCCGGGTAGGTGTGATTGGGGTGACACTCATGGCTCTGCTTTCCGGAT
TCGGTGCTGTCAACTGCCCCTACACATACATGTCCTACTTCCTCAGGAATGTGACTGACACGGATATCCT
TGCCCTGGAACGGCGACTGCTGCAGACCATGGACATGATCATAAGCAAAAAGAAAAGGATGGCGGTGACC
CGGAGAACAATGTTCCAGAGGGGGGATGTGCAGAACAAGCCATCGGGACTCTGGGGCATGCTGAAGAGTG
TCACTGCCTCGGCCCCAGGAAGTGAAAATCTGACTCTTATCCAACAGGAAGTAGATGCTTTAGAAGAACT
GAGCAGGCAGCTTTTCCTGGAAACAGCCGATCTGTATGCTACAAAGGAAAGAATTGAATACTCCAAAACA
TTCAAGGGGAAATATTTTAATTTCCTGGGTTATTTTTTCTCTATTTATTGTGTCTGGAAAATTTTTATGG
CAACCATCAATATTGTTCTTGATCGGGTTGGGAAAACTGACCCTGTCACCAGAGGCATCGAGATCACTGT
GAATTATCTGGGAATCCAGTTCGATGTGAAGTTCTGGTCTCAGCACATTTCTTTCATCCTGGTTGGAATA
ATCATTGTCACGTCCATCAGGGGACTGCTGATCACACTTACCAAGTTCTTTTACGCCATCTCCAGCAGTA
AGTCCTCCAATGTCATCGTCCTGCTCTTAGCACAGATAATGGGAATGTACTTTGTGTCCTCTGTACTGCT
GATCCGAATGAGTATGCCCCCAGAATACCGCACCATAATCACAGAGGTCCTTGGAGAGCTTCAGTTCAAC
TTCTATCACCGCTGGTTTGACGTCATCTTCCTGGTCAGTGCCCTCTCCAGCATATTGTTCCTCTATCTGG
CTCACAAGCAGGCGCCAGAGAAGCATATGGCCCCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

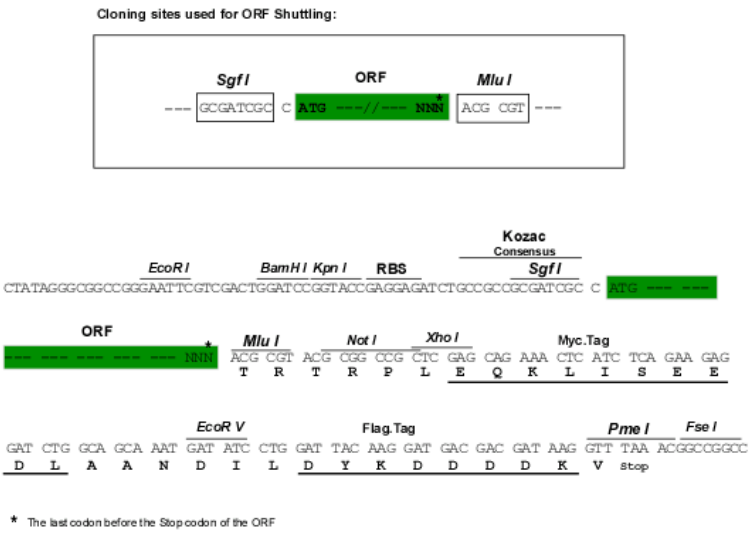
>RR213252 representing NM_001139486
Red=Cloning site Green=Tags(s)

MSFLIDSSIMITSQILFFGFGWLFFMRQLFKDYEVRQYVVQVIFSVTFAFSCTMFELIIFEILGVLNSSS
RYFHWKMNLCVILLILVFMVPFYIGYFIVSNIQLLHKQRLLFSCLLWLTFMYFFWKLGDPFPILSPKHGI
LSIEQLISRVGVIGVTLMALLSGFGAVNCPYTYMSYFLRNVTDTDILALERRLLQTMDMIISKKKRMAVT
RRTMFQRGDVQNKPSGLWGMLKSVTASAPGSENLTLIQQEVDALEELSRQLFLETADLYATKERIEYSKT
FKGKYFNFLGYFFSIYCVWKIFMATINIVLDRVGKTDPVTRGIEITVNYLGIQFDVKFWSQHISFILVGI
IIVTSIRGLLITLTKFFYAISSSKSSNVIVLLLAQIMGMYFVSSVLLIRMSMPPEYRTIITEVLGELQFN
FYHRWFDVIFLVSALSSILFLYLAHKQAPEKHMAP

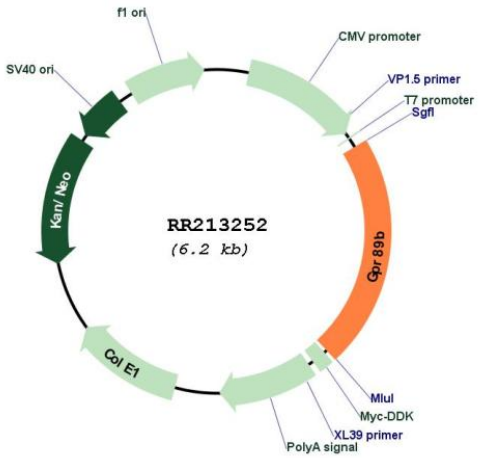
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001139486

ORF Size: 1365 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_001139486.1, NP_001132958.1
RefSeq Size:	1824 bp
RefSeq ORF:	1368 bp
Locus ID:	362003
Cytogenetics:	2q34
MW:	52.8 kDa