

Product datasheet for **RR210475**

Gpr83 (NM_080411) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gpr83 (NM_080411) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gpr83
Synonyms:	Gir
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR210475 representing NM_080411
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAATGTCCCTCCTGTCTCTCTTTTCTTCTGTCTCCGTGAGAGCCACTGAGCAGCCGAGGTCTG
 TCACTGAGCATCCAGCATGGATGCAGCCCTGACCGAGCCAATGCCTCGCATTTCTGGCCAACACTACAC
 TTTCTCTGACTGGCAGAACTTCGTGGGCAGGAGACGCTATGGGGCTGAGTCCCAGAACCCACAGTGAAA
 GCCCTGCTCATCGTGGCCTACTCCTTCATCATTGTCTTCTCGCTCTTCGCAATGTCTGGTCTGTCATG
 TAATCTCAAGAACCAGCGTATGCACTCGGCCACCAGCCTCTTCATCGTCAACCTGGCAGTGGCAGACAT
 CATGATCACATTGCTCAACACGCCCTTCACTTTGGTCCGCTTTGTGAACAGCACATGGGTGTTTGGGAAG
 GGCATGTGTCATGTCAGCCGCTTGGCCAGTACTGTTCTCTACATGTCTCAGCACTGACCCTGACAGCTA
 TCGCAGTGGACCGCCACCAGTTCATCATGCATCCCTTGAAGCCTCGGATCTCCATACCAAGGGTGTCTAT
 ATATATTGCTGTCTGGGTCTGGTACCTTCTCTCTGCTCATGCCATCTGCCAGAAACTGTTT
 ACCTTCAAGTACAGTGAAGACATTGTGCGCTCCCTCTGCCTGCCGACTTCCCAGAGCCAGCTGACCTCT
 TTTGGAAGTACCTGGACCTGGCCACCTTCATCCTACTCTACCTCCTTCCACTCTTATTATCTCAGTGGC
 CTATGCTCGTGTGGCCAAGAAATTGTGGCTCTGCAACACTATTGGCGACGTGACCACAGAGCAGTACCTC
 GCCCTGAGACGCAAGAAGAAGACCACCGTGAAGATGCTGGTGTGTGGTGGTCTCTTCGCTCTCTGCT
 GGTTCCTTCACTGCTATGCTCTCTCTGTCCAGCAAGGCCATCCACACCAACAACGCCCTCTACTT
 TGCCTTCCACTGGTTTGGCATGAGCAGCACTTGTATAATCCCTTCATCTACTGCTGGCTCAACGAGAAC
 TTCAGGGTGGAGCTGAAGCACTGTTGAGCATGTGCCAGAGGCCATGGTCCGAGGGCTCTGCTAGCTAA
 CCTCCCGGTTCTTCTCAGGGTGGCATGGACGGAGAAGGCCATGGTCCGAGGGCTCTGCTAGCTAA
 TCACCACCTTCCCTTCCAGATCCAGTCTGGGAAGACAGATCTGTCTCTGTGAACCCACTGTGGCC
 GTGAGTGTGAGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR210475 representing NM_080411
 Red=Cloning site Green=Tags(s)

MNVPPVLLL FLLSSVRATEQPQVVTEHPSMDAALTGANASHFWANYTFSDWQNFVGRRRYGAESQNPTVK
 ALLIVAYSFIIVFSLFGNVLVCHVIFKNQRMHSATSLFIVNLAVADIMITLLNTPFTLVRFVNSTWVFGK
 GMCHVSRFAQYCSLHVSALTLTAIAVDRHQVIMHPLKPRISITKGVIIYIAVIWVMAFFSLPHAICQKLF
 TFKYSEDIVRSLCLPDFPEPADLFWKYLDLTFILLYLLPLFIIISVAYARVAKKLWLCNTIGDVTTEQYL
 ALRRKKKTIVKMLVLVVLFALCWFLNLCYVLLSSKAIHTNNALYFAHWFAMSSTCYNPFIYCWLNEN
 FRVELKALLSMCQRPSKPQEDRLPSPVPSFRVAWTEKSHGRRALLANHHLPSQIQSGKTDLSSVEPTVA
 VSVS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja1709_f05.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_080411

ORF Size: 1266 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_080411.1](#), [NP_536336.1](#)

RefSeq Size: 3673 bp

RefSeq ORF: 1269 bp

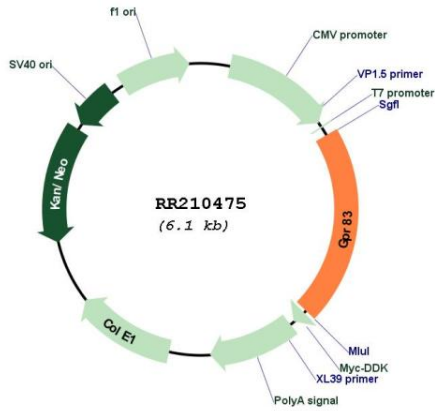
Locus ID: 140595

Cytogenetics: 8q12

MW: 48 kDa

Gene Summary: glucocorticoid-induced receptor found in brain and may be involved in behavioral sensitization [RGD, Feb 2006]

Product images:



Circular map for RR210475