

Product datasheet for **RR200292**

Gpr12 (NM_001037295) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Gpr12 (NM_001037295) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Gpr12
 Synonyms: Gpcr12
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR200292 representing NM_001037295
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAACGAAGACCCGAAGGTCAATTTAAGCGGGCTGCCTCGGGACTGTATAGAAGCTGGTACTCCGGAGA
 ACATCTCAGCCGCTGTCCCTCCAGGGCTCTGTTGTGGAGTCAGAACCCGAGCTCGTTGTCAACCCCTG
 GGACATTGTCTTGTGCAGCTCAGGAACCCTCATCTGCTGTGAAAATGCCGTCGTGGTCTTATCATCTTC
 CACAGCCCAGCCTGCGAGCACCCATGTTCTGCTGATAGGCAGCCTGGCTCTTGACAGACCTGCTGGCTG
 GTCTGGGACTCATCATCAATTTTGTGCTACCTGCTTCAGTCAGAAGCCACCAAGCTGGTCACAAT
 TGGACTCATTGTGCCTCTTTCTCTGCCTCTGTCTGCAGTTTGGCTATCACTGTGGACCGCTACCTC
 TCGCTGTATTACGCCCTGACGTACCACTCCGAGAGGACCGTCACCTTTACCTATGTATGCTAGTGATGC
 TCTGGGAACTTCCACCTGCCTGGGGCTGCTGCCTGTATGGGCTGGAAGTGCCTGAGGGACGAGTCCAC
 CTGCAGCGTGGTCAGACCCCTACTAAGAACAACGCCGCCATTCTCTCCATCTCCTTCTTCTCATGTTT
 GCACTGATGCTCCAACCTACATCCAGATTTGTAAGATTGTGATGAGGCACGCCCATCAGATAGCCCTGC
 AGCACCCTTCTGGCTACGTGCACTACGTGACTACCCGAAAGGGATCTCCACCCTGGCTCTCATCTCT
 GGGGACCTTTGCCGCTGCTGGATGCCTTTTACCCTCTATTCTTATGATCGCCGATTACACCTACCCCTCC
 ATCTACACCTACGCCACCTCCTGCCGCCACGTACAATTCCATCATCAACCCTGTCATATATGCTTTCA
 GAAACCAAGAGATCCAGAAAGCCCTCTGCCTCATCTGCTGTGGTGCATCCCTAACACGCTGTCCAGAG
 AGCAGCTCTCCAGCGATGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR200292 representing NM_001037295
 Red=Cloning site Green=Tags(s)

MNEDPKVNL SGLPRDCIEAGTPENISA AVPSQGSVVESEPELVVNPWDIVL CSSGTLICENAVVLIIF
 HSPSLRAPMFL I GSLALADLLAGLGLI INVFVAYLLQSEATKLVITGLIVASF SASVCSLLAITVD RYL
 SLYYALTYHSERTVTFTYVMLV MLWGTSTCLGLLPVMGW NCLRDESTCSVVRPLTKNNA ILSISFLFMF
 ALMLQLYIQICKIVMRHAHQIALQHHFLATSHYVTRKGI STLALILGTFAACWMPFTLYSLIADYTYP S
 IYTYATLLPATYNSIINPVIYAFRNQEIQKALCLICCGCIPNTLSQRARSPSDV

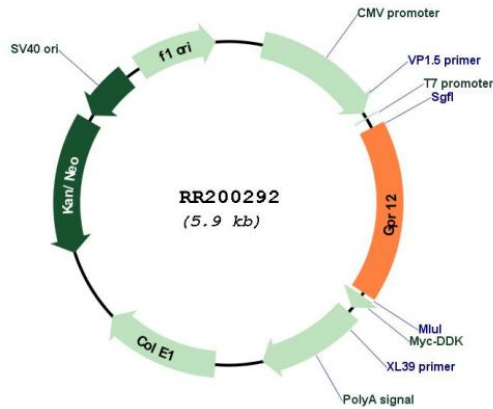
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001037295

ORF Size: 1002 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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_001037295.1 , NP_001032372.1
RefSeq Size:	1543 bp
RefSeq ORF:	1005 bp
Locus ID:	80840
UniProt ID:	P30951
Cytogenetics:	12p11
MW:	36.7 kDa
Gene Summary:	orphan G-protein coupled receptor expressed in brain [RGD, Feb 2006]