

Product datasheet for **RR202521**

Gpr101 (NM_001108258) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gpr101 (NM_001108258) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gpr101
Synonyms:	RGD1564196
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR202521 representing NM_001108258
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCATCCAGCTGCACCAACAGTACTCAAGAGAACAACAGCAGCCGAGTGTGCCTGCCCTCTCCAAGA
 TGCTATTAGCATCGCTCACGGCATCATCCGCTCCGTTGTGCTGCTCATCATCCTTGGTGTAGCCTTTGT
 GGGTAACGTAGTCTGGTTATGTATTGCACCGTAAGCCACACTTGTGTCAGGTGACCAACCGGTTCCATA
 TTTAACCTGCTTGTCACTGACCTGCTGCAGTTGCTCTCGTGGCCCCCTGGGTGGTGTCCACTGCCATTC
 CTTTCTTCTGGCCTCTCAACATCCACTTCTGCACTGCCCTGGTTAGCCTCACCCACTTATTTGCCTTTGC
 CAGTGTCAATACCATTGTGGTGGTGTGATAGATCGTTACCTGTCCATCATCCACCCTCTTCTACCCA
 TCCAAGATGACCAACCGACGTAGTTACATTCTCCTCTATGGCACCTGGATTGCAGCCTTCTGCAGAGCA
 CACCTCCACTCTATGGCTGGGGCCAGCCACTTTTGACGACCGTAATGCCTTCTGTTCCATGATCTGGGG
 TGACAGTCTGCCTATACCGTTGTGAGTGTGATCCTTCTCGTATTCCACTGGGTGTTATGATTGCC
 TGCTATTCAGTGGTGTGGTGCAGCCAGAAGGCAGCAAGCTCTCCTGTATAAGGCCAAGAGCCACCGCT
 TCCAGGTGAGTCAAGGACTCTGTGGTGCATGAGAATGAACAGGGAGCAAGAGGGATGAATGCCAGGA
 CGAAGATGAGTTTGGAGCAAGATGAAGGTGGTCAAGAAAGCACCAGCATGTTGGATGAGGGTGCCATG
 GTAGCTGAGAACAGCAGCATGAAGACCGGAGCAGGAAGCCTGGATTTCTGTGCAAGTATCCTGGCGGCTA
 TGGGCAGTGAAGAGGTGAGTAAATGGGAGCATGGAGGGGCTGGAAGTGAAGTGAAGTGAAGTGAAGT
 CGCAAAGGCAACACGGACCGCAGAGATGTCAATCAGTGAACATTTACGTGGCGAAGATGACGTAGAG
 TTTGGCATGGATGAAATCCATTTCAACGAGGATGATGTCGAGGCAATGCGTATTCAGAGAGCCGCTCCAC
 CCAGTCGTGAAACAGCACCAGCAACCCACCTTTGCCTCCATGCTATGAGTGCAAAGCTGCTAGAGTGTGAT
 CTTTCATCATTTTTCTCCTATGTGCTGCTCTGGGGCCCTACTGCTTCTGCGAGTGTGGCTGTGTGG
 GTGGATATCGATTCCCAGGTACCCAGTGGGTGATCACCATAAATCTGGCTTTTTTCTGCAGTGTCT
 GCGTCCACCCATATGTCTATGGCTATATGCACAAGAGCATTAAAGAAGGAAATCAAGGAGGTACTGAAGAA
 GTTAACCTGTAAGAAAAGCACCTCTGTAGACGATAGCCATCCTGAGCTTCGCGAAACTGAAGCTGGCACA
 GAGGGAGGTACTGAAGGCAAGGCTATCCCTCTCATGATTCGGCTACTTCACCTGAGGGAGGTACTGAAG
 GCAAGGCTATCCCTCTCATGATTCGGCTACTTCACCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR202521 representing NM_001108258
 Red=Cloning site Green=Tags(s)

MPSSCTNSTQENNSSRVCLPLSKMPIIAHGIIRSIVLLIILGVAFVGNVVLGYVLRHKPHLLQVTNRFI
 FNLLVTDLLQVALVAPWVSTAIPIFFWPLNIHFCTALVSLTHLFAFASVNTIVVVSIDRYLSIIHPLSY
 SKMTRRSYIILLYGTWIAAFLQSTPPLYGWHATFDDRNFCSMIWGDSPAYTVVSVVSFLVIPLGVMI
 CYSVVFGAARRQALLYKAKSHRFQVRVKDSVVHENEQAKRDECQDENEFEDQDEGGQESTSMLDEGAM
 VAENSSMKTGAGSLDFCASILAAMGSEEVSNGSMEGLELSTEQASSAKANTDRRDVNQCNIYVGEDDVE
 FGMDEIHFNEDDVEAMRIPESRPPSRNSTSNPPLPPCYECKAARVIFIIIFSYVLSLGPYCFVLAVLAV
 VDIDSQVPQWVITIIWLFFLQCCVHPYVYGYMHKSIKKEIKEVLKLTCKKSTSVDDSHPELRETEAGT
 EGGTEGKAIPSHDSATSP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja1688_c06.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001108258

ORF Size: 1524 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 Size: 2186 bp

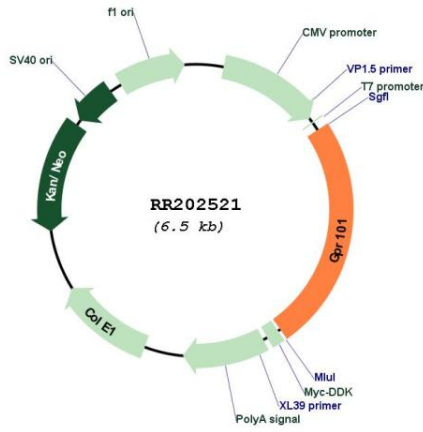
RefSeq ORF: 1527 bp

Locus ID: 317608

Cytogenetics: Xq36

MW: 56.3 kDa

Product images:



Circular map for RR202521