

Product datasheet for **RR208766**

Gpr151 (NM_181633) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gpr151 (NM_181633) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gpr151
Synonyms:	nGPCR-2037
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR208766 representing NM_181633 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGGAAGGCAACGCTGGCAGTCTTTGCTGACTCCGATTCCAGCAACATGAACGAGTCATTTGCTCACC
TCCACTTTGCAGGAGGCTACCTGCCATCTGACTCCAAGGGCTGGAGGACCATCATTCCATCTCTTTGGC
GGCTGTGTGCCTGGTGGCTTCGTTGAAACCTATGTGTGATTGGCCTTCTCCTTCATGGTGTGGAAA
AGAAAGCCATCCATGATCCACTCCCTGATTCTCAATCTCAGCCTGGCTGACATCTCTCCTGCTTTTT
CCGCACCTGTCCGAGCTACGGCATACTGCAAAGGTGTTGGGATCTAGGCTGGTTGTCTGCAAGTCCCTC
TGACTGGTTACCCACATGTGCATGGCAGCCAAGAGCTTGACATTTGTTGTAGTAGCCAAGGTGTGCTTC
ATGTACGCAAGTGACCCAGCCAAGCCAGTGGGTACCCACAACGCACCATCTGGTCACTGCTGGGAGCCA
TCTGGGTGGTAGCCAGCCTACTTCCCCTGCCAGAATGGTCTTTAGCACCACCAGACATCACGCAGGTGT
GGAAATGTGCCTCGTGGATGTGCCAGCTGTAGCAGCAGAATTCATGTCACTGTTCCGGTAAGCTCTACCCT
CTGCTGGTGTGGCTTCCTTTACTTTGGCTGGCTTTATTTCTGGCAGCTTATAACCAATGCAAAA
TACGCTGTGCGAAAACCTCAAATCTTAGAACCAGATGCGTTCAAAGCAACTACGGTGATGCTGCTGAG
TACTGCCGTACCTCTGCTCTTCTGTGGCTCCCGAATGGATAGCCTGGCTGTGGTGGTGGCATCTGAAG
GCTGGAGGTCCAATGCCACCGCAGGGTTTTATAGCCCTGTCTCAAGTCCCTGATGTTTTCCATCTCCACAG
TGAATCCTCTCATATTTCTAATGATGTCTGAAGAGTTCAGGCAGGCTTGAAAGGCATATGGAAATGGAT
GATAACCAGAAAGCCTGTAGTTACCTCAGAGGTTGAGGAGTACCAGCTGGAAACATTGAGACCCTTCT
GGTAAGGCTCCATCTCCAGAGACCCAAACATGCATTCCAGACACAGACAGATGTGGCTCTCCTGACTCCA
GCAAAGAGACAACCTGACAAGGTGATGGTCCCCTCCTCCCTGATGTTGAGCAGTTTTGGCAGAGAGGGA
TGTTGGCCCTTCGGCACAAGACAATGACCTATACCCTGGGAACATGAAGCCAAGAGACAAGGGCTGC
AAT

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >RR208766 representing NM_181633
Red=Cloning site Green=Tags(s)

MGKATLAVFADSDSSNMNESFAHLHFAGGYLPDSKSGWRTIIPSLAAVCLVGFVGNLCVIGLLHGVWK
 RKPSMIHSLILNLSLADISLLLFSAPVRATAYVKGVDLWGFVCKSSDWFTHMCAAASLTFVVVAKVCF
 MYASDPKAPVGTNCTIWSLLGAIWVVASLLPLPEWFFSTTRHHAGVEMCLVDVPAAAAEFMSLFGKLYP
 LLVFCPLLLLAGFYFWRAYNQCKIRCAKTQNLRNQMRSKQLTVMLLSTAVTSALLWLPEWIAWLWVWHLK
 AGGPMPPQGFIALSQVLMFSISTVNPILFLMSEEFKAGLKGIWKWMITRKPVVTEVQVEVPAGNIETLP
 GKAPSPETQTCIPDTRCGSPDSSKETTDKVMVPLPDVEQFWHERDVGPSAQDNDPIPWEHEGQETKGC
 N

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

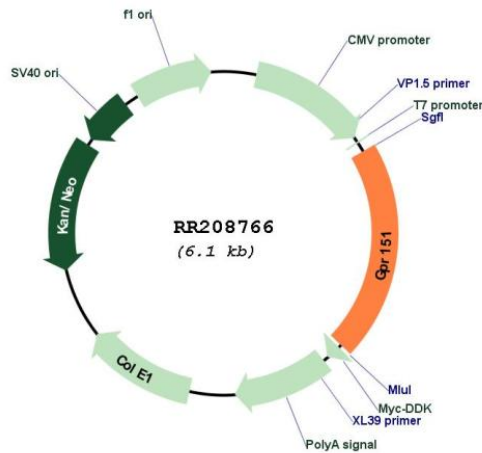
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_181633

ORF Size:	1263 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_181633.2 , NP_853664.1
RefSeq Size:	1395 bp
RefSeq ORF:	1266 bp
Locus ID:	307475
UniProt ID:	Q7TSN5
Cytogenetics:	18p11
MW:	46.7 kDa
Gene Summary:	mouse homolog is a G-protein coupled receptor with homology to galanin receptors [RGD, Feb 2006]