

Product datasheet for **RR203588**

Gpr171 (NM_001109510) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gpr171 (NM_001109510) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gpr171
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR203588 representing NM_001109510 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGACAAACAGTTCATGTTCTGCCCAATTTACAGAGATCTAGAACCATTTACGTATTTTTTTTATTTAG
TTTATCTCATTGGAATCATTGGGAGTTGTTTTGCAACGTGGGCTTTTATACAGAAAAGCACAAATCACAG
GTGTGTGAGCATATATTTAATTAACCTGCTTACAGCTGACTTCCCTGCTCACTCTGGCATTGCCAGTAAAA
ATCGTTGTTGACTTGGGTGGCGCCCTGAAACTAAGGATATTCCACTGCCAAGTGACAGCCTGCCTCA
TCTACATCAACATGTAATCTATTATCTTCTAGCCTTTGTCAGCATTGACCGCTGTCTTCAGTTAGT
ACACAGCTGCAAGATATACCGAATCCAAGAACCTGGGTTTGCCAAAATGATATCGGCCGTGTGGCTC
ATGGTCTGCTTATAATGGTGCCGAACATGGTGATTCCCATCAAGAACATCAAAGAAAAATCTAATGTAG
GTTGCATGGAGTTTAAAAGGGAGTTCGGAAAAAATTGGCACTTGCTAACAAATTTTCATATGTGTGGCAAT
ATTTTTAAATTTCTCAGCCATCATTCTGATATCCAACCTCCTTGTAAATTAGACAACCTCTACAGAAACAGA
GACAACGCAAACCTACCAAGCGTGAAGTCGGCTCTGCTCAACATTCTCCTGGTGACAGCGAGTTACATCA
TATGCTTTGTTTCTTACCAGCTGTTAGGATCCCATACACCTCAGCCAGACAGAGGTGATATCTGACTG
CTCAACTAGGATTGCTCTCTTCAAAGCCAAGGAGGCCACTGCTGCTGGCTGTGTCCAACCTGTGCTTT
GACCCAATTCTGTACTATCATCTGTGAAAGCATTTCGACTGAAGGTCACTGAGACTTTCGCTCGCCTC
AAAAGATGAAGGCTCGGGAGGAAAAACCGAGACGTGAGAATGACGTGCAAAGTACAGGCTCTGCGTGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR203588 representing NM_001109510
Red=Cloning site Green=Tags(s)

MTNSSMFCPIYRDLEPFTYFFYLVYLIGIIGSCFATWAFIQKSTNHRCVSIYLINLLTADFLLLTALPVK
 IVVDLGVAPWKLRIHFHCQVTACLIYINMYLSIIFLAFVSDRCLQLVHSCKIYRIQEPGFAMISAVVWL
 MVLLIMVPMVPIKNIKEKSNVGCMEFKREFGKNWHL TNFICVAIFLNFSAILILSNFLVIRQLYRNR
 DNANYPSVKSALLNILLVTASYIICFVPHYAVRIPYTLTSTQTEVISDCSTRIALFKAKEATLLLVSNLCF
 DPILYYHLSKAFRLKVTETTFASPQKMKAREEKPRENDVQSTGSAC

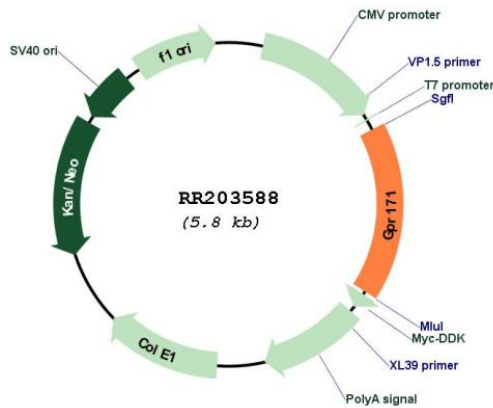
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001109510

ORF Size:	978 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_001109510.1 , NP_001102980.1
RefSeq Size:	1718 bp
RefSeq ORF:	981 bp
Locus ID:	688737
Cytogenetics:	2q26
MW:	37.4 kDa