

Product datasheet for **RR216516**

Gpr132 (NM_001170595) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gpr132 (NM_001170595) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Gpr132
Synonyms: G2a
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR216516 representing NM_001170595
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAGGTCAGAACCCACCAATGCAACAGGAAATGCCACGGCGGTACCTCTACTCTTCAGACTACCTCGG
TCCCCACGAGCTGCCACACGTTGTCTACGAGGAGAGCAGAGTGGTCTGGTGGCGGTGTACAGCGTGGT
GTGCATGTGGGCTACCGGCAACTGCCTAAGTCCCTGGCTGACTGTGCAAGTCTACAGAGAAAC
GTGCTCGCCGTCTACCTGTTCTGTCTGTCCCTCTGTGAGCTGCTGTACATCAGCACCATGCCTCTGTGGA
TCAATTTACATCCAGAATCAGCACAAATGGAGCCTGGGTGAGCAGGCTGCAAAGTACAGCCTTACATCTT
CTTCTGCAACATCTACACCAGCATCCTCTGTCTGTGCTGCAATTTCTGCGACCGCTACATGGCCGTGGTC
TACGCACTGGAGAGCCGAGGTCACCGGCACAGAGGACTGCTGTCAACATTTTCGGCATGTGTGGTTATTC
TTGTTGGGCTTGCAACTATCCAGTGTTTGACATGAAAGTGGAGGACAGCTTCTGCTTTGAGCCCTGGG
GATCGACAGTAGGATAGCCGGCTACTACTACCTGCGGTTCACTTTTGGCTTTGCCGTCCCTCTCGGCGTC
CTTGCTTACCAATCACCAGATCTTCCGGAGCATCAAGCTCAGTGATAGCCTGAGCGCTGCCAGAAAA
ACAAGGTGAAGCGCTCCGCCATTGCAGTGTCAACATCTTCTGGTCTGCTTTGCTCCCTACCAGTGGT
GCTCCTCATCAAAGCCGCGACTTTTCTTCTACGAAGGAGACCGGGATGCGGTGTGTACTTCGAAAAAC
AGGCTGTACACGGTCTCTACAGTGTCTGTGCTGTGCGACGGTCAACAGTGTGGCTGACCCCATCATCT
ACGTGCTGGCTACAGACATTCTCGGCAAGAAGTGTGACGATCCACACGGGGTGAAGAAGTGGTCCAC
GAAGACAGATGTACCTACTTGAAGGACTCTGAGGAGACGCACTACCCACAGCGCTTATGAACGCATAC
ACCTTCCCAGTACTGTGCACCTCCAGGCTCACAGCCAGTGGAGCTAGGGTCACTGGGCTCTGCCGGAG
AGACTGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR216516 representing NM_001170595
Red=Cloning site Green=Tags(s)

MRSEPTNATGNATAVTSTLQTTSVPTSCHTL SYEESRVVLVAVYSVVCMLGLPANCLTAWL TLLQVLQRN
 VLAVYLFCLSLCELLYISTMPLWIIYIQNHKWSL GQQACKVTAYIFFCNIYTSILLCCISCDRYMAVV
 YALESRGHRHQRTAVTISACVVILVGLVNYPVFDMKVEDSFCFEPLGIDSRIAGYYYLRF TFGFAVPLGV
 LAFTNHQIFRSIKLSDSL SAAQKNKVKRSAIAVVTIFLVCFAPYHVLL IKAASF SFYEGDRDAVCFEN
 RLYTVSTVFLCLSTVNSVADPIIYVLATDHSRQEVCRIHTGWKKWSTKTDV TYLKDSEETHSPTALMNAY
 TFPSTVHLPGSQPVELGSLGSAGETA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

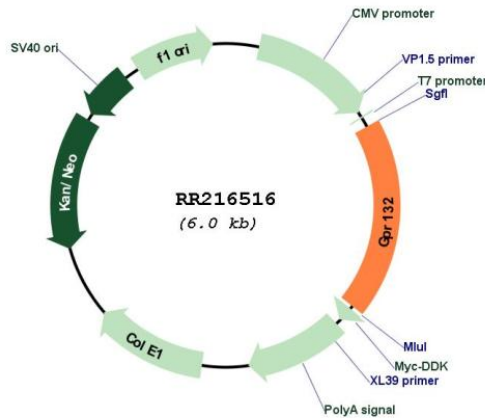
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001170595

| | |
|-------------------------------|---|
| ORF Size: | 1128 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_001170595.1 , NP_001164066.1 |
| RefSeq Size: | 2402 bp |
| RefSeq ORF: | 1131 bp |
| Locus ID: | 314480 |
| Cytogenetics: | 6q32 |
| MW: | 41.8 kDa |