

Product datasheet for **RR212314**

Gipr (NM_012714) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gipr (NM_012714) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gipr
Synonyms:	Gippr; RATGIPPR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR212314 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCCCTGCGGCTGTTGCTTCTGCTGCTGCTGGCTCTGGGATTGTCACTCCAGAGGGCGGAGACAGATT
 CTGAGGGGACAGACGACGGAGAGCTGTACCAGCGCTGGGAGCGTTACGGCTGGGAATGCCAAAACACCTT
 GGAGGCCACAGAACCCTCCCTCAGGCCTGGCCTGTAATGGTTCCTTCGATATGTATGCCTGCTGAACTAC
 ACGGCTGCCAACACCACTGCCGGGTGTCTGCCCTGGTATCTGCCCTGGTACCGCCAGGTGGCTGCAG
 GCTTCGCTTCCGCCAGTGTGGTAGTGATGGCCAAATGGGGATCTTGGAGAGACCACACTCAATGTGAGAA
 TCCAGAGAAGAATGGGGCCTTTCAGGACCAGAAGCTGATCTTGGAGCGCTGCAGGTCGTGTATACAGTC
 GGCTACTCCCTGTCCCTGGCCACTCTGCTGCTAGCCCTACTCATTTTAAGTTTGTTCAGGCGGCTTCACT
 GCACTCGTAATTACATTCACATGAACCTGTTACGTCTTTCATGTGCGAGCAGGGGCCATCCTCACCCG
 AGACCAGCTGCTCCCTCCACTGGTCCCTACACGGGAAACCAGACCCCTACCCTGTGGAACCAGGCCCTA
 GCTGCCTGCCGCACAGCCAGATCTTGACCCAGTACTGTGTGGGAGCCAATTACACCTGGCTGCTGGTGG
 AGGGTGTGTATCTGCACCATCTGCTGGTGGTGTGAGACGCTCAGAAAAGGGCCACTTCCGCTGCTACCT
 GCTTCTGGCTGGGGGGCCCCGCGCTTTTCGTCATCCCCTGGGTGATCGTCAGGTACCTGTACGAGAAC
 ACGCAGTGCTGGGAGCGCAACGAAGTCAAAGCCATTTGGTGGATCATTCCGACCCCCATCCTAATAACCA
 TCTTGATCAATTCCTCATCTTTATCCGCATCCTTGGCATCCTTGTTCCTTCAAAGCTGAGGACTCGACAGAT
 GCGCTGTCCCGACTACCGACTAAGGCTGGCTCGCTCCACGCTGACACTGATGCCCTGCTGGGTGTCCAC
 GAGGTGGTATTTGCTCCCGTGACCGAGGAACAGGCTGAAGGCTCCCTGCGCTTTGCCAAACTGGCCTTTG
 AAATCTTCTTAAGTTCTCCAGGTTTCTCGTGAGTGTGCTCTACTGCTTCATCAACAAGAGGTAA
 GTCGGAGATCCGCGCTCTGCGTCTCAGCCTTCAGGAACAGTGTCCACGTCCTCCGACCTGGGGCAGGCCCC
 CGGGCGGTGCCTTTGAGCTCTGCACCCAGGAAGCTGCCATCCGCAATGCCTTGCCTCTGGGATGCTGC
 ATGTGCCTGGAGATGAGGTCTTGAAAGTTACTGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR212314 protein sequence
 Red=Cloning site Green=Tags(s)

MPLRLLLLLWGLSLQRAETDSEGQTTGELYQRWERYGWECQNTLEATEPPSGLACNGSFDMYACWNY
 TAANTTARVSCPWYLPWYRQVAAGFVFRQCGSDGQWGSWRDHTQCENPEKNGAFQDQKLILERLQVYTV
 GYSLSLATLLALLILSLFRRLHCTRNYIHMNLFSTFMLRAGAILTRDQLLPPLGPTYGNQTPTLWNQAL
 AACRTAQILTQYCVGANYTWLLVEGVYHLLLVVRRSEKGFRCYLLLGWAPALFVIPWVIVRYLYEN
 TQCWERNEVKAIWWIIRTPILITILINFLIFIRILGILVSKLRTRQMRCPDYRLRLARSTLTLMPLLGVH
 EVVFPVTEEQAEGLRFKLAFAEIFLSSFQGFVSVLYCFINKEVQSEIRRLRLSLQEQCPRPHLGQAP
 RAVPLSSAPQEAIRNALPSGMLHVPGDEVLESYC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_012714

ORF Size: 1365 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: [NM_012714.1](#), [NP_036846.1](#)

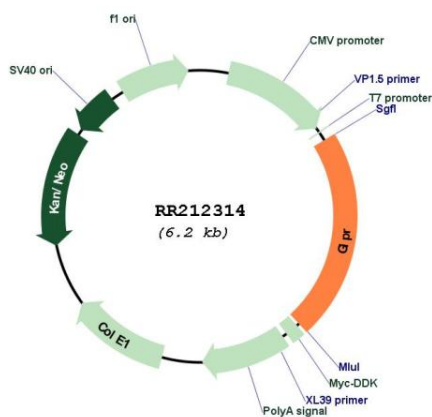
RefSeq Size: 2698 bp

RefSeq ORF: 1368 bp

Locus ID: 25024

UniProt ID: [P43219](#)

Cytogenetics: 1q21
MW: 52.3 kDa
Gene Summary: receptor for gastric inhibitory polypeptide/glucose-dependent insulinotropic peptide; induces cAMP production; mediates increase in intracellular calcium ions [RGD, Feb 2006]

Product images:


Circular map for RR212314