

Product datasheet for **RR214594**

Gipc2 (NM_001037210) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gipc2 (NM_001037210) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gipc2
Synonyms:	MGC116274
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR214594 representing NM_001037210 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGCCGCTTGGCTGCGTGGGAAGAAGAAGGCTGCCAAGTCCAAGGAGACCGCGAGGCTGGTGGAGGGCG
 AGAGGTCCGGTGGCAGCCAGGGTGTCCCGGACCCCAAGCTCCGGCACGGAGGCTGGTGTCCACGCACA
 GCTGGCGCACGGCAGCGCCACGGCCGAGTGGAGGACTTCTCCAGCATCAGCGAGCTCTACGCCAAGATC
 GCAGGGGTGTTTGAGATCGCGCCGTCGAGATCCTATTTGTACTTTAAACACACCTAAAATTGACATGG
 GAAAACCTCTGGTGGGAGCTAGGTCTTGAAGATTTTCATATTTGCCACGTGAAAGGCATAAAAAAGGA
 AGTGAACGTTTATAAATCAGAGGATTCACCTGGACTCACCATCACGGATAACGGCGTTGGCTATGCTTTT
 ATCAAGAGAATTAAGGATGGCAGCACCATTGACTCAGTAAAAACGATCTGTGTGGGGATCATATCGAAT
 GTATAAACGGAGAAAAATATTGTTGGGTGGCGTCACTTTGAAGTCGCTAAGAAGTTAAAGGAATTGAAAA
 GGAGGAACCTTTACTTTGCAGTTAATAGAACCAAGAAGGCATTTGAAATAGGACCAAGGTCAAAAGCC
 GGAAAGACATCAACGGAAAAAATTTGTTACTTCAAGAGGGACTCTTCGCCTGAGATCGAAAGGCCCGCTA
 CGGTAGAAGATCTGCCCTCTGAAGCCAAAGCAAAGCGATCGAGAAGGTTGACGACCTCCTTGAAGTGA
 CATGGGGATTGAGATATCGACTTAGCTACCACCATGTTTGAAGCTGGAAGACAAGAGCAACCCAGAT
 GAGTTTGCTGTGCGCTCGACGAGACCTGGGAGACTTTGCCTTTCCTGATGAGTTCATGTTTCGACGTAT
 GGGGAGCCATCAGTGATGTGAAACAAGGCAGA

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 ACAAGGATGACGACGATAAGGTTTAA


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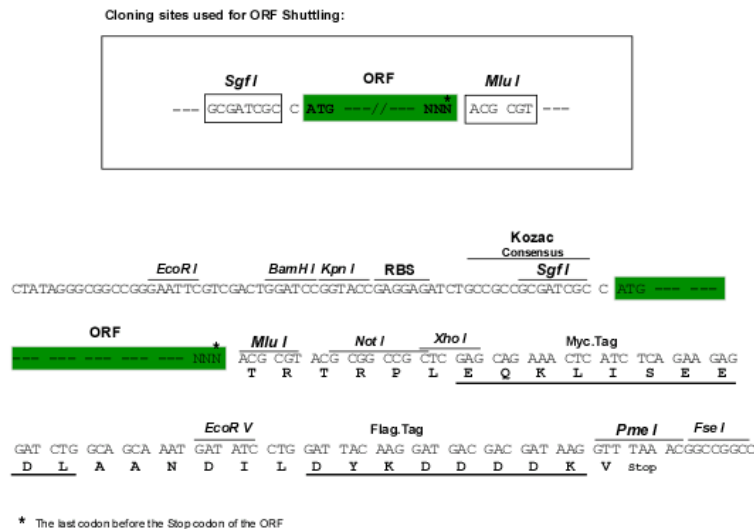
Protein Sequence: >RR214594 representing NM_001037210
 Red=Cloning site Green=Tags(s)

MPLGLRGKKKAASKETARLVEGERSGGSQGVPGPPAPARRLVFHAQLAHGSATGRVEDFSSISELYAKI
 AGVFEIAPSEILFCTLNTPKIDMGKLLGGQLGLEDFIFAHVKGIKKEVNVYKSEDSLGLTITDNGVGYAF
 IKRIKDGSTIDSVKTICVGDHIECINGENIVGWRHFEVAKKLKELKKEELFTLQLIEPKKAFFIGPRSKA
 GKTSTEKIGTSRGTLRLRSKGPATVEDLPSEAKAKAIEKVDDLLELYMGIRDIDLATTMFEAGKDKSNPD
 EFAVALDETLGDFAFPDEFMFVDVWGAISDVKQGR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001037210

ORF Size: 942 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_001037210.1](#), [NP_001032287.1](#)

RefSeq Size: 1376 bp

RefSeq ORF: 945 bp

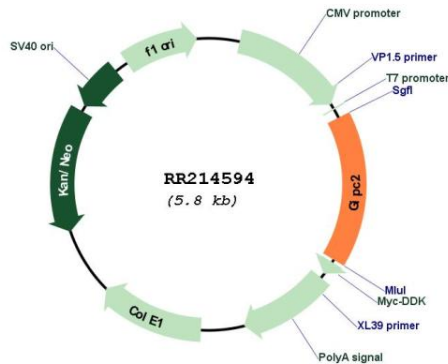
Locus ID: 365960

UniProt ID: [Q498D9](#)

Cytogenetics: 2q45

MW: 34.2 kDa

Product images:



Circular map for RR214594