

Product datasheet for **RN213014**

Gc (NM_012564) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gc (NM_012564) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gc
Synonyms:	DBP; DBP02; VDB; Vdbp
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN213014 representing NM_012564
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGAGGGTCTGTTCTCCTGCTGGCCTTAGCCTTTGGGCATGCCCTAGAGAGAGGCCGAGATTATG
 AGAAGGATAAAGTTTGCCAGGAACTCTCCACGCTGGGAAAGATGACTTCAGATCTCTACTAATCCT
 ATACAGCAGGAAGTTTCCAGTAGCACCTTTGAACAGGTCAGTCAGCTTGTGAAGGAAGTTGTCTCCTTA
 ACTGAGGAATGCTGTGCTGAGGGAGCAGATCCCAACTGCTATGACACCAGGACTTCAGAGCTGTCTATTA
 AGTCTGTGAAAGTGACGCCCTTTCCCGTTCACCCCGGACTTCCGAGTGTGCACGAAGGAGGGGCT
 AGAGCGGAAACTCTGCATGGCTGCCCTCAGTCACCAGCCACAGGAATTTCCCGCTATGTGGAGCCGACG
 AATGATGAGATCTGTGAGGCGTTCAGGAAGGATCCAAAGGGATTGCCGATCAGTTTCTATTGGAATATT
 CCAGCAATTACGGACAAGCTCCTCTGCCACTTTTAGTTGGTTACACCAAGAGTTATCTCTATGGTTGG
 CTCTGCTGTACTTCTGCAAAACCAACTGTGTGCTTTTTGAAGGAGAGACTCCAGATGAAACAGTTATCA
 TTCTCACCACATGTCAACAGAGTCTGCTCACAAATATGCTGCATATGGAAAGGAAAAATCAAGGATGA
 GCCATCTCATAAACTAGCCAAAAAGTACCAACTGCTAACCTGGAGGATGTTCTGCCACTCGCTGAAGA
 CCTTACTGAAATCCTGTCCAGATGTTGTAAGTCTACCTCAGAGGACTGCATGGCCAGAGAGCTGCCTGAA
 CACACATTAATACTGTGGAACTTATCCAAAAAGAAATCAAAGTTTGAAGAGTGTGTACGAAACAA
 CACCCATGGGCATTTTTATGTGTAGTACTTTCATGCCAAGTGTGAACCACTTCAATTGCCAGCCATCAA
 GCTGCCAACCCAGCAAAGCTCTGTGGTCAGAGTGCCACACAAGCCATGGACCAGTATACATTTGAACTA
 AGCAGAAGGACCCAGGTTCCAGAAGTGTCTCAGCAAAGTTCAGACTCAGAGTCCCCTGATGAAGAGGCAACTAAC
 AATGCTGCGACACTCAGGACTCTGTCTCCTGTTTCAGCACTCAGAGTCCCCTGATGAAGAGGCAACTAAC
 TTCTTTTATTGAAAAGGGCAAGAAATGTGTGCAGATTATCCGAGAACACATTTACTGAGTACAAGAAA
 AAATTGGCGGAACGACTGAGGACAAAAATGCCAATGCCTCCCCGGAAGAGCTGGCAGACATGGTGGCCA
 AGCACTCAGACTTTGCCTCCAAGTGTGCTCCATAAACTCTCTCCACGCTACTGTAGCTCACAGATTGA
 TGCAGAAATGAGAGACATCTGCAGTCC**TGA**

ACCGGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_012564

Insert Size: 1431 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_012564.3](#), [NP_036696.2](#)
RefSeq Size: 1684 bp
RefSeq ORF: 1431 bp
Locus ID: 24384
Cytogenetics: 14p22
Gene Summary: transports vitamin D and vitamin D metabolites [RGD, Feb 2006]