

Product datasheet for **RC234691**

Glucocorticoid Receptor (NR3C1) (NM_001204265) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Glucocorticoid Receptor (NR3C1) (NM_001204265) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Glucocorticoid Receptor
Synonyms:	GCCR; GCR; GCRST; GR; GRL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC234691 representing NM_001204265
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACTCCAAGAATCATTAACTCCTGGTAGAGAAGAAAACCCAGCAGTGTGCTTGCTCAGGAGAGGG
 GAGATGTGATGGACTTCTATAAAACCTAAGAGGAGGAGCTACTGTGAAGTTTCTGCGTCTTCACCCCTC
 ACTGGCTGTCGCTTCTCAATCAGACTCCAAGCAGCGAAGACTTTTGGTTGATTTTCCAAAAGGCTCAGTA
 AGCAATGCGCAGCAGCCAGATCTGTCCAAGCAGTTTCACTCTCAATGGGACTGTATATGGGAGAGACAG
 AAACAAAAGTGATGGAAATGACCTGGGATTCCCACAGCAGGGCCAAATCAGCCTTCTCGGGGAAAC
 AGACTTAAAGCTTTTGAAGAAAGCATTGCAAACCTCAATAGGTCGACCAGTGTCCAGAGAACCCCAAG
 AGTTCAGCATCCACTGCTGTGTCTGCTGCCCCACAGAGAAGGAGTTTCCAAAACCTCACTCTGATGTAT
 CTTCAGAACAGCAACATTTGAAGGGCCAGACTGGCACCAACGGTGGCAATGTGAAATTGTATACCACAGA
 CCAAAGCACCTTTGACATTTTGCAGGATTTGGAGTTTCTTCTGGGTCCCAGGTAAAGAGACGAATGAG
 AGTCTTTGGAGATCAGACCTGTTGATAGATGAAAACCTGTTTGCTTCTCCTCTGGCGGGAGAAGACGATT
 CATTCTTTTGAAGGAACTCGAATGAGGACTGCAAGCCTCTCATTACCAGGACACTAAACCCAAAAT
 TAAGGATAATGGAGATCTGGTTTTGTCAAGCCCAGTAATGTAACACTGCCCAAGTGAAAACAGAAAA
 GAAGATTTTCATCGAACTCTGCACCCCTGGGGTAATTAAGCAAGAGAAAAGTGGGCACAGTTTACTGTCAGG
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 TGGAGGACAGATGTACCACTATGACATGAATACAGCATCCCTTCTCAACAGCAGGATCAGAAGCCTATT
 TTTAATGTCATTCCACCAATCCCGTTGGTCCGAAAATTGGAATAGGTGCCAAGGATCTGGAGATGACA
 ACTTGACTTCTCTGGGGACTCTGAACCTCCCTGGTCCGAAACAGTTTTTTCTAATGGCTATTCAAGCCCCAG
 CATGAGACCAGATGTAAGCTCTCCTCCATCCAGCTCCTCAACAGCAACAACAGGACCACCTCCCAAACCTC
 TGCTGGTGTGCTCTGATGAAGCTTCAGGATGTCATTATGGAGTCTTAACTTGTGGAAGCTGTAAGTTT
 TCTTCAAAGAGCAGTGGAAAGGACAGCACAATTACCTATGTGCTGGAAGGAATGATTGCATCATCGATAA
 AATTCGAAGAAAAAACTGCCAGCATGCCGCTATCGAAAATGTCTTCAGGCTGGAATGAACCTGGAAGCT
 CGAAAAACAAAGAAAAAATAAAAGGAATTCAGCAGGCCACTACAGGAGTCTCACAAGAAACCTCTGAAA
 ATCCTGGTAACAAAACAATAGTTCTGCAACGTTACCACAACCTACCCCTACCCTGGTGTCACTGTTGGA
 GGTATTGAACCTGAAGTGTATATGCAGGATATGATAGCTCTGTTCCAGACTCAACTTGGAGGATCATG
 ACTACGCTCAACATGTTAGGAGGGCGCAAGTATTGCAGCAGTAAAATGGGCAAAGGCAATACCAGGTT
 TCAGGAACTTACACCTGGATGACCAATGACCCTACTGCAGTACTCCTGGATGTTTCTTATGGCATTGTC
 TCTGGGTGGAGATCATATAGACAATCAAGTGAAACCTGCTGTGTTTTGCTCCTGATCTGATTATTAAT
 GAGCAGAGAATGACTCTACCCTGCATGTACGACCAATGTAACACATGCTGTATGTTTCTCTGAGTTAC
 ACAGGCTTCAGGTATCTTATGAAGAGTATCTGTATGAAAACCTTACTGCTTCTCTTTCAGGTTGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC234691 representing NM_001204265
Red=Cloning site Green=Tags(s)

MDSKESLTPGREENPSSVLAQERGDVMDFYKTLRGGATVKVSASSPSLAVASQSDSKQRLLVDFPKGSV
 SNAQQPDL SKAVSL SMGLYMGETETKVMGNDLGFPOQQI SLSSGETDLKLL EESIANLNRSTV PENPK
 SSASTAVSAAPTEKEFPKTHSDVSSEQHLKGQTGTNGGNVKLYTTDQSTFDILQDLEFSSGSPGKETNE
 SPWRSDLLIDENCLL SPLAGEDDSFLL EGNSEDCKPLILPDTKPKIKDNGDLVLS SPSNVTL PQVKTEK
 EDFIELCTPGVIKQEKLGTVYQCASFPGANIIGNKMSAISVHGVSTSGGQMYHYDMNTASLSQQDQKPI
 FNVIPPIPVGSENWNRQCQSGDDNLTSLGTLNFPGRTVF SNGYSSPSMRPDVSSPPSSSSTATTGPPPKL
 CLVCSDEASGCHYGVLTCGSKVFFKRAVEGQHNYLCAGRNDCIIDKIRRKNCPACRYRKLQAGMNEA
 RKTKKKIKGIQQATTGVSQETSENPGNKTIVPATLPQLTPTLVSLLEVIEPEVLYAGYDSSVPDSTWRIM
 TTLNMLGGRQVIAAVKWAKAIPGFRNLHLDDQMTLLQYSWMFLMAFALGWRYSRQSSANLLCFAPDLIIN
 EQRMTLPCMYDQCKHMLYVSSSELHRLQVSYEEYLCMKTL LLLSSGW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001204265

ORF Size: 2028 bp

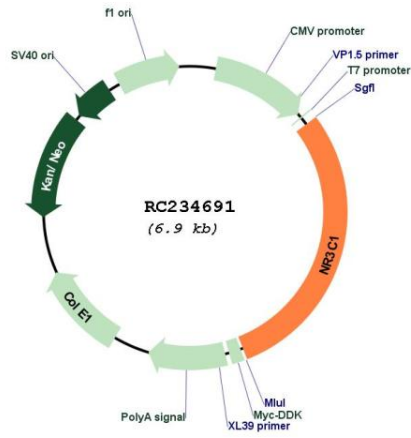
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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_001204265.2
RefSeq Size:	4104 bp
RefSeq ORF:	2031 bp
Locus ID:	2908
Cytogenetics:	5q31.3
Protein Families:	Druggable Genome, Nuclear Hormone Receptor, Transcription Factors
Protein Pathways:	Neuroactive ligand-receptor interaction
MW:	74.2 kDa
Gene Summary:	<p>This gene encodes glucocorticoid receptor, which can function both as a transcription factor that binds to glucocorticoid response elements in the promoters of glucocorticoid responsive genes to activate their transcription, and as a regulator of other transcription factors. This receptor is typically found in the cytoplasm, but upon ligand binding, is transported into the nucleus. It is involved in inflammatory responses, cellular proliferation, and differentiation in target tissues. Mutations in this gene are associated with generalized glucocorticoid resistance. Alternative splicing of this gene results in transcript variants encoding either the same or different isoforms. Additional isoforms resulting from the use of alternate in-frame translation initiation sites have also been described, and shown to be functional, displaying diverse cytoplasm-to-nucleus trafficking patterns and distinct transcriptional activities (PMID:15866175). [provided by RefSeq, Feb 2011]</p>

Product images:



Circular map for RC234691