

Product datasheet for **RG220306**

GCNF (NR6A1) (NM_033334) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GCNF (NR6A1) (NM_033334) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NR6A1
Synonyms:	CT150; GCNF; GCNF1; hGCNF; hRTR; NR61; RTR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG220306 representing NM_033334
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCGGGACGAACCGCCGCTAGCGGAGGGGAGGCGGGGGCTCGCGGGTTCCTGGAGCCTC
 CGGCCGCTACCTCCGCGCCGCGCAACGGTTTCTGTAGGATGAATTGGCAGAGCTTGACCCAGGCAC
 TAATGATCGGGTGAACAACGAACCTGTCTCATTTGTGGGACCAGCTACAGGCTTGACTATGGGATC
 ATCTCTGTGAGGGTGC AAAGGTTTTCAAGCGGAGCATTGCAACAAACGGGTATATCGATGCAGTC
 GTGACAAGAACTGTGTCATGTCTCGAAGCAGAGGAACAGGTGCCAGTACTGCCGCTGCTCAAATGCC
 CCAGATGGGGATGAACCGGAAGGCTATCAGAGAAGATGGCATGCCTGGAGCCGGAATAAGAGCATTGGG
 CCAGTCCAGATATCGGAAGAAGAAATCGAAAGGATCATGTCTGGCAGGAGTTTGGGAAGAGGCCAATC
 ACTGGAGCAACCATGGTATAGTGACCACAGTTCCTGGGAACAGGGCTTCGGAGAGCAACAGCCCTC
 ACCAGGCTCCACTGTCTTCCAGTAGGCTGTGGAAGTGAATGGATTTCATGGCCTTCAGGAACAGTAC
 ATGGGAATGTCTGTGCCCTCCACATTACCAATATATACCGACCTTTTAGCTATTCTGGCCACTCACCAC
 TTCTGCCCAACAGCTCGCAGCCTGGATCCCCAGTCATACAGTCTGATTACCAGCTGTTATCAGCCGA
 GGACCTGGAACCATTTGGGCACGCCCATGTTGATTGAAGATGGATACGCTGTGACACAGGCAGAACTATT
 GCCCTGCTTTGCCGCTGGCCGACGAGCTGCTCTTAGGCAGATTGCCTGGATCAAGAACTGCCTTTCT
 TCTGCGAGCTCTCAATCAAGGATTACACGTGCCTCTTGAGCTCTACGTGGCAGGAGCTAATCCTGCTGC
 TTCCTCACCGTTTACAGCAAGCAGATCTTTGGGAACTGGCTGATGTACTGCCAAGTACTCGCCCTCC
 GATGAAGAATAACAGATTTAGTGATGAAGGATGGAGGTGATCGAGCGGCTCATCTACCTCTATCACA
 AGTTCCATCAGCTAAAGGTCAGCAACGAGGAGTATGCTTGATGAAAGCAATTAACCTCCTAAATCAAGA
 TATCAGGGGTCTGACCAGTGCCTCACAGCTGGAACAATTGAATAAACGATACTGGTACATTTGCCAGGAT
 TTTACTGAATATAAATACACACATCAGCCGAACCGCTTCTGATCTCATGATGTGCTTACCTGAGATTC
 GATATATTGCAGGAAAGATGGTGAATGTGCCCTGGAGCAGCTGCCCTCCTCTTAAGGTGGTGTGCA
 TTCCTGCAAGACCAGTGTGGCAAGGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG220306 representing NM_033334
 Red=Cloning site Green=Tags(s)

MERDEPPPSGGGGGGSAGFLEPPAALPPPPRNGFCQDELAELDPGTNDRAEQRTCLICGDRATGLHYGI
 ISCEGCKGFFKRSICNKRVYRCSRDKNCVMSRQQRNRCQYRLLKCLQMGMNKAIREDGMPGGRNKSIG
 PVQISEEEIERIMSGQEFEEEEANHWSNHGSDHSSPGNRASESNQPSPGSTLSSRSVELNGFMAREQY
 MGMSVPPHYQYIPHLFSYSGHSPLLPQARS LDPQSYSLIHQLLSAEDLEPLGTPMLIEDGYAVTQAEFL
 ALLCRLADELLFRQIAWIKKLPFFCELSIKDYTCLLSSTWQELILLSLTVYSKQIFGELADVTAKYSPS
 DEELHRFSDEGMEVIERLIYLYHKFHQLKVSNEEYACMKAINFLNQDIRGLTSASQLEQLNKRYWYICQD
 FTEYKYTHQPNRFPDLMCLPEIRYIAGKMVNVPLEQLPLLFKVVLHSCKTSVGKE

TRTRPLE - GFP Tag - V

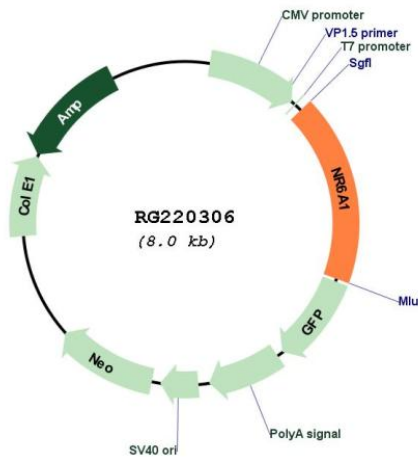
Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



Plasmid Map:



ACCN: NM_033334

ORF Size: 1440 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_033334.2 , NP_201591.2
RefSeq Size:	1918 bp
RefSeq ORF:	1443 bp
Locus ID:	2649
UniProt ID:	Q15406
Cytogenetics:	9q33.3
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Transcription Factors
Gene Summary:	This gene encodes an orphan nuclear receptor which is a member of the nuclear hormone receptor family. Its expression pattern suggests that it may be involved in neurogenesis and germ cell development. The protein can homodimerize and bind DNA, but in vivo targets have not been identified. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Jun 2013]