

Product datasheet for **RG205484**

GCNF (NR6A1) (NM_001489) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GCNF (NR6A1) (NM_001489) 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:

>RG205484 representing NM_001489
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCGGGACGAACCGCCGCTAGCGGAGGGGAGGCGGGGGCTCGGCGGGTTCCTGGAGCCTC
 CCGCCGCTACCTCCGCGCCGCGCAACGGTTTCTGTACAGGATGAATTGGCAGAGCTTGACCCAGGCAC
 TAATGATCGGGTGAACAACGAACCTGTCTCATTTGTGGGACCAGGCTACAGGCTTGACTATGGGATC
 ATCTCTGTGAGGGTGCAAAGGGTTTTCAAGCGGAGCATTGCAACAAACGGGTATATCGATGCAGTC
 GTGACAAGAACTGTGTCTGTCTCGAAGCAGAGGAACAGGTGCCAGTACTGCCGCTGCTCAAATGCC
 CCAGATGGGGTGAACCGGAAGGCTATCAGAGAAGATGGCATGCCTGGAGGCCGAATAAGAGCATTGGG
 CCAGTCCAGATATCGGAAGAAGAAATCGAAAGGATCATGTCTGGGAGGAGTTTGGGAAGAGGCCAATC
 ACTGGAGCAACCATGGTATAGTGACCACAGTCCCTGGGAACAGGGCTTCGGAGAGCAACAGCCCTC
 ACCAGGCTCCACTGTCTTCCAGTCTGTGGAAGTGAATGGATTCATGGCTTCAGGGAACAGTACATG
 GGAAATGTCTGTGCTCCACATTACCAATATATACCGCACCTTTTGTAGCTATTCTGGCCACTCACCCTC
 TGCCCCAACAAAGCTCGCAGCCTGGATCCCCAGTCATACAGTCTGATTACCAGCTGTTATCAGCCGAGGA
 CCTGGAACATTGGGCACGCCATGTTGATTGAAGATGGATACGCTGTGACACAGGCAGAATAATTTGCC
 CTGCTTTGCCGCTGGCCGACGAGCTGCTTTAGGCAGATTGCCTGGATCAAGAAACTGCCTTTCTTCT
 GCGAGCTCTCAATCAAGGATTACACGTGCCTTTGAGCTCTACGTGGCAGGAGCTAATCTGTCTTCTC
 CCTCACGTTTACAGCAAGCAGATCTTTGGGAACTGGCTGATGCTACTGCCAAGTACTGCCCTCCGAT
 GAAGAATAACAGATTTAGTGATGAAGGATGGAGGTGATCGAGCGGCTCATCTACCTCTATCACAAGT
 TCCATCAGCTAAAGGTCAGCAACGAGGAGTATGCTTGCATGAAAGCAATTAACCTCTAAATCAAGATAT
 CAGGGGTCTGACCAGTGCCTCACAGCTGGAACAATTGAATAAACGATACTGGTACATTTGCCAGGATTTT
 ACTGAATATAAATACACATCAGCCGAACCGCTTTCCTGATCTCATGATGTGCTTACCTGAGATTCGAT
 ATATTGCAGGAAAGATGGTGAATGTGCCCTGGAGCAGCTGCCCTCCTCTTTAAGGTGGTGTGCATTC
 CTGCAAGACCAGTGTGGCAAGGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG205484 representing NM_001489
 Red=Cloning site Green=Tags(s)

MERDEPPPSGGGGGGSAGFLEPPAALPPPPRNGFCQDELAELDPGTNDRAEQRTCLICGDRATGLHYGI
 ISCEGCKGFFKRSICNKRVYRCSRDKNCVMSRKQRNRCQYCRLLKCLQMGMNKAIREDGMPGGRNKSIG
 PVQISEEEIERIMSGQEFEEEEANHWSNHGSDHSSPGNRASESNQPSPGSTLSSRSVELNGFMAFREQYM
 GMSVPPHYQYIPIHLFSYSGHSPLLPQARS�DPQSYSLIHQLLSAEDLEPLGTPMLIEDGYAVTQAEIFA
 LLCRLADELLFRQIAWIKKLPFFCELSIKDYTCLLSSTWQELILLSLTVYSKQIFGELADVTAKYSPSD
 EELHRFSDEGMEVIERLIYLYHKFHQLKVSNEEYACMKAINFLNQDIRGLTSASQLEQLNKRYWYICQDF
 TEYKYTHQPNRFPDLMCLPEIRYIAGKMVNPLEQLPLLFKVVLHSCKTSVGKE

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

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_001489.3](#), [NP_001480.3](#)

RefSeq Size: 1903 bp

RefSeq ORF: 1428 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]