

Product datasheet for **RC238448**

GCNF (NR6A1) (NM_001278546) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GCNF (NR6A1) (NM_001278546) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NR6A1
Synonyms:	CT150; GCNF; GCNF1; hGCNF; hRTR; NR61; RTR
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RC238448 representing NM_001278546
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCGGGACGAACCGCCGCTAGCGGAGGGGAGGCGGGGGGCTCGGCGGGTTCCTGGAGCCTC
 CGGCCGCGCTCCCTCCGCGCGCGCAACGGTTTCTGTAGGATGAATTGGCAGAGCTTGACCCAGGCAC
 TAATGATCGGGTGAACAACGAACCTGTCTCATTGTGGGACCAGCGCTACAGGCTTGACTATGGGATC
 ATCTCTGTGAGGGTGC AAAGGGTTTTCAAGCGGAGCATTGCAACAAACGGGTATATCGATGCAGTC
 GTGACAAGAACTGTGTCATGTCTCGGAAGCAGAGGAACAGGTGCCAGTACTGCCGCTGCTCAAATGCC
 CCAGATGGGGTGAACCGGAAGGCTATCAGAGAAGATGGCATGCCTGGAGGCCGAATAAGAGCATTGGG
 CCAGTCCAGATATCGGAAGAAGAAATCGAAAGGATCATGTCTGGCAGGAGTTTGAGGAAGAGGCCAATC
 ACTGGAGCAACCATGGTATAGTGACCACAGTCCCTGGGAACAGGGCTTCGGAGAGCAACCAGCCCTC
 ACCAGGCTCCACTGTCTTCCAGTAGGCTGTGGAAGTGAATGGATTTCATGGCCTTCAGGAACAGTAC
 ATGGGAATGTCTGTGCCCTCCACATTACCAATATATACCGACCTTTTAGCTATTCTGGCCACTCACCAC
 TTCTGCCCAACAAGCTCGCAGCCTGGATCCCCAGTCATACAGTCTGATTACCAGCTGTTATCAGCCGA
 GGACCTGGAACCATTTGGGCACGCCCATGTTGATTGAAGATGGATACGCTGTGACACAGGCAGAACTATT
 GCCCTGCTTTGCCGCTGGCCGACGAGCTGCTCTTAGGCAGATTGCCTGGATCAAGAACTGCCTTTCT
 TCTGCGAGCTCTCAATCAAGGATTACACGTGCCTCTTGAGCTCTACGTGGCAGGAGCTAATCCTGCTGC
 TTCCTCACCGTTTACAGCAAGCAGATCTTTGGGAACGGTGTGACTGCCAAGTACTCGCCCTCC
 GATGAAGAACTACACAGATTTAGTGATGAAGGGATGGAGGTGATCGAGCGGCTCATCTACCTCTATCACA
 AGTTCATCAGCTAAAGGTCAGCAACGAGGAGTATGCTTGCATGAAAGCAATTAACCTCCATAAACAAGA
 TATCAGGGGTCTGACCAGTGCCTCACAGCTGGAACAATTGAATAAACGATACTGGTACATTTGCCAGGAT
 TTTACTGAATATAAATACACACATCAGCCGAACCGCTTTCCTGATCTCATGATGTGCTTACCTGAGATTC
 GATATATTGCAGGAAAGATGGTGAATGTGCCCTGGAGCAGCTGCCCTCCTCTTAAGGTGGTGTGCA
 TTCCTGCAAGACCAGTGTGGCAAGGAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238448 representing NM_001278546
 Red=Cloning site Green=Tags(s)

MERDEPPPSGGGGGGSAGFLEPPAALPPPPRNFGCQDELAELDPGTNDRAEQRTCLICGDRATGLHYGI
 ISCEGCKGFFKRSICNKRVYRCSRDKNCVMSRKQRNRCQYCRLLKCLQMGMNRKAIREDEGMPGGRNKSIG
 PVQISEEEIERIMSGQEFEEEEANHWSNHGSDHSSPGNRASESNQPSPGSTLSSSRVELNGFMAREQY
 MGMSVPPHYQYIPLHFSYSGHSPLLPQARS LDPQSYSLIHQLLSAEDLEPLGTPMLIEDGYAVTQAELE
 ALLCRLADELLFRQIAWIKKLPFFCEL SIKDYTCLLSSTWQELILLSSLTVYSKQIFGELADVTAKYSPS
 DEELHRFSDEGMEVIERLIYLYHKFHQLKVSNEEYACMKAINFLNQDIRGLTSASQLEQLNKRYWYICQD
 FTEYKYTHQPNRFPDLMCLPEIRYIAGKMVNVPLEQLPLLFKVVLHSCKTSVGKE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

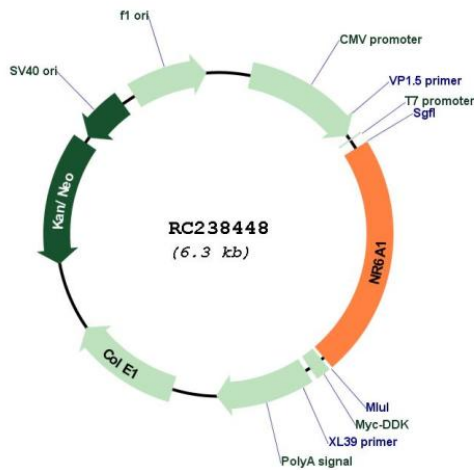
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001278546

ORF Size: 1428 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_001278546.2](#)

RefSeq Size: 7052 bp

RefSeq ORF: 1431 bp

Locus ID: 2649

UniProt ID: [Q15406](#)

Cytogenetics: 9q33.3

Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Transcription Factors

MW: 54.4 kDa

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]