

## Product datasheet for **SC121058**

### **GCNF (NR6A1) (NM\_001489) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	GCNF (NR6A1) (NM_001489) Human Untagged Clone
Tag:	Tag Free
Symbol:	GCNF
Synonyms:	CT150; GCNF; GCNF1; hGCNF; hRTR; NR61; RTR
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene ORF within SC121058 sequence for NM\_001489 edited (data generated by NextGen Sequencing)

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ATGGAGCGGGACGAACCGCCGCTAGCGGAGGGGGAGGCGGGGGGCTCGGCGGGGTTT
CTGGAGCCTCCC GCCGCTACCTCCGCCGCCGCAACGGTTTCTGT CAGGATGAATTG
GCAGAGCTTGACCCAGGCACTAATGATCGGGCTGAACAACGAACCTGTCTCATTTGTGGG
GACCGCGCTACAGGCTTGCACTATGGGATCATCTCCTGTGAGGGCTGCAAAGGGTTTTTC
AAGCGGAGCATTTGCAACAAACGGGTATATCGATGCAGTCGTGACAAGAAGTGTGCATG
TCTCGGAAGCAGAGGAACAGGTGCCAGTACTGCCGCTGCTCAAATGCCTCCAGATGGGG
ATGAACCGGAAGGCTATCAGAGAAGATGGCATGCCTGGAGGCCGAATAAGAGCATTGGG
CCAGTCCAGATATCGGAAGAAGAAATCGAAAGGATCATGTCTGGGCAGGAGTTTGAGGAA
GAGGCCAATCACTGGAGCAACCATGGTGATAGTGACCACAGTTCCCTGGGAACAGGGCT
TCGGAGAGCAACCAGCCCTACCAGGCTCCACACTGTCTTCCAGGTCTGTGGAACGAAT
GGATTCATGGCCTTCAGGGAACAGTACATGGGAATGTCTGTGCCTCCACATTACCAATAT
ATACCGCACCTTTTTAGCTATTCTGGCCACTCACCCTTCTGCCCAACAAGCTCGCAGC
CTGGATCCCAGTCATACAGTCTGATTCACCAGCTGTTATCAGCCGAGGACCTGGAACCA
TTGGGCACGCCCATGTTGATTGAAGATGGATACGCTGTGACACAGGCAGAAGTATTTGCC
CTGCTTTGCCGCTGGCCGACGAGCTGCTTTAGGCAGATTGCCTGGATCAAGAAACTG
CCTTTCTTCTGCGAGCTCTCAATCAAGGATTACACGTGCCTTTGAGCTCTACGTGGCAG
GAGCTAATCCTGTGTCTTCCCTCACCGTTTACAGCAAGCAGATCTTTGGGGAAGTGGCT
GATGTCCTGCAAGTACTCGCCCTCCGATGAAGAAGTACACAGATTTAGTGATGAAGGG
ATGGAGGTGATCGAGCGGCTCATCTACCTCTATCACAAGTCCATCAGCTAAAGGTCAGC
AACGAGGAGTATGCTTGCATGAAAGCAATTAACCTCCTAAATCAAGATATCAGGGGCTG
ACCAGTGCCTCACAGCTGGAACAATTGAATAACGATACTGGTACATTTGCCAGGATTTT
ACTGAATATAAATACACACATCAGCCGAACCGCTTTCCTGATCTCATGATGTGCTTACCT
GAGATTGATATATTGCAGGAAAGATGGTGAATGTGCCCTGGAGCAGCTGCCCTCCTC
TTAAGGTGGTGTGCATTCTGCAAGACCAGTGTGGCAAGGAATGA
    
```

Clone variation with respect to NM\_001489.3  
 81 c=>a

**5' Read Nucleotide Sequence:** >OriGene 5' read for NM\_001489 unedited

```

GACGGAATTTGTAACGACTTATATAGCGGCCGCATAACTTCGTATAGCATAATTATA
CGAAGTTATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTGAGAGCGTGGGTGCTGA
GGGGGCGCGCGCGGAGGGGCGCGGAGCGCGGAGCCGGGGCGGCTCGGGGCCAGAGA
GAGCCGCGCGCGGAGCTCGCGGGCTCTGACAACCTCCTCCCTCGGCGGACGACGACC
ACGGCGACTAGGGCGCCGGTCTATGGCGGAGCAACAACCCGGCGCGGACCCTAGGCACCA
CCGATGGAGCGGACGAACCGCCGCTAGCGAGGGGGAGGCTNNAAAAATGANGTTAA
AAAAACAGACAAAACAAAACAAAACCTTCTTGTATGGAGGCAACGGGAAATGCTGCTCC
ACAGCCTCCATCTTGGTCTCTCTGGCTTTTCCCTCCAGAGCCTGTCTGCCACCCAAGA
CGCTGTGGTTGGCCTGAGGAGGGCGCCTGGAACAGGTCATTCCTTGGCCACACTGGTCTT
GCAGGAATGCAGCACCTTAAAGAGGAGGGCAGCTGCTCCAGGGGCACATTCACCAT
CTTTCCTGCAATATATCGAATCTCAGGTAAGCACATCATGAGATCAGGAAAAGCGGTTCC
GCTGATGTGTATNTATAATTAGTAAAATCCTGGCAAATGTACCAGTATCGTTTATTT
CAATGTTCCAGGCTGGGAGGCACTGGTCAGACCCCTGATATCTTGATTTAGGAAGTTAAT
TGCTTTCATGCAAGCATACTCCTCGTTGCTGACCTTTACTGATGGAAGTGTGAAAAAGT
AGATGAGCCGCTTGATACCTCCATCCCTGCATCACTAATCTGGGTAGTTCTCATCGGAAG
GGGAGTACTTGGCAGTGACATCAACCATTTCAAAGATCGCTTGGTC
    
```

**Restriction Sites:** Please inquire  
**ACCN:** NM\_001489  
**Insert Size:** 2000 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001489.3</a> , <a href="#">NP_001480.3</a>
<b>RefSeq Size:</b>	1903 bp
<b>RefSeq ORF:</b>	1428 bp
<b>Locus ID:</b>	2649
<b>UniProt ID:</b>	<a href="#">Q15406</a>
<b>Cytogenetics:</b>	9q33.3
<b>Protein Families:</b>	Druggable Genome, ES Cell Differentiation/IPS, Transcription Factors
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) uses two alternate in-frame splice sites compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>