

## Product datasheet for **SC329569**

### GGCT (NM\_001199815) Human Untagged Clone

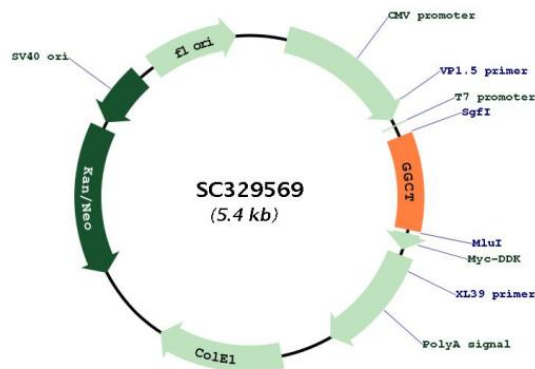
#### Product data:

Product Type:	Expression Plasmids
Product Name:	GGCT (NM_001199815) Human Untagged Clone
Tag:	Tag Free
Symbol:	GGCT
Synonyms:	C7orf24; CRF21; GCTG; GGC
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC329569 representing NM_001199815. Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGGCCAAC TCGGGCTGCAAGGACGTCACGGTCCAGATGAGGAGAGTTTCTGTACTTTGCCTACGGC  
AGCAACCTGCTGACAGAGAGGATCCACCTCCGAAACCCCTCGGCGCGTTCTTCTGTGTGGCCCGCCTG  
CAGGATTTTAAGCTTGACTTTGGCAATCCCAAGGCAAAACAAGTCAAAC TTGGCATGGAGGGATAGCC  
ACCATTTTTCAGAGTCTGGCGATGAAGTGTGGGGAGTAGTATGGAAAATGAACAAAAGCAATTTAAAT  
TCTCTGGATGAGTGGAGAAAGAAACGTCACTGCCTTTCAGAATCAGGGAAATCACCTTGCAAGCAC  
AAGACAAGAATGTGGGATAGAGACCCCAAATTCCTGTT CAGAACCTAAGCTTAGCTCTCTGTTGGCAG  
GCCAATCAGGTCATGGACCTGTAATAGATTATTTGCATGGGTGCAAAAGAAAATGTTT GCCCGCTGG  
AGTATCAAGAGAAGT TAA

Restriction Sites: SgfI-MluI

Plasmid Map:



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<b>ACCN:</b>	NM_001199815
<b>Insert Size:</b>	501 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_001199815.1</a>
<b>RefSeq Size:</b>	1217 bp
<b>RefSeq ORF:</b>	501 bp
<b>Locus ID:</b>	79017
<b>UniProt ID:</b>	<a href="#">O75223</a>
<b>Cytogenetics:</b>	7p14.3
<b>Protein Pathways:</b>	Glutathione metabolism
<b>MW:</b>	19.1 kDa
<b>Gene Summary:</b>	<p>The protein encoded by this gene catalyzes the formation of 5-oxoproline from gamma-glutamyl dipeptides, the penultimate step in glutathione catabolism, and may play a critical role in glutathione homeostasis. The encoded protein may also play a role in cell proliferation, and the expression of this gene is a potential marker for cancer. Pseudogenes of this gene are located on the long arm of chromosome 5 and the short arm of chromosomes 2 and 20. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2010]</p> <p>Transcript Variant: This variant (2) has multiple differences in the coding region, compared to variant 1, one of which results in a translational frameshift. The resulting protein (isoform 2) has a distinct C-terminus and is shorter than 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>