

Product datasheet for **SC329570**

GGCT (NM_001199816) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: GGCT (NM_001199816) Human Untagged Clone
Tag: Tag Free
Symbol: GGCT
Synonyms: C7orf24; CRF21; GCTG; GGC
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC329570 representing NM_001199816.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGGCCAACCTCGGGCTGCAAGGACGTCACGGGTCCAGATGAGGAGAGTTTTCTGTACTTTGCCTACGGC
 AGCAACCTGCTGACAGAGAGGATCCACCTCCGAAACCCCTCGGCGGCGTTCTTCTGTGTGGCCCGCCTG
 CAGGATTTTAAGCTTGACTTTGGCAATCCCAAGGCAAAACAAGTCAAACCTTGGCATGGAGGGATAGCC
 ACCATTTTTTCAGAGTCCTGGCGATGAAGTGTGGGGAGTAGTATGGAAAATGAACAAAAGCAATTTAAAT
 TCTCTGGATGAATTATTTGCATGGGTGCAAAAGAAAATGGTTTGCCGCTGGAGTATCAAGAGAAGTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001199816
Insert Size: 345 bp
OTI Disclaimer: 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).
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.


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RefSeq: NM_001199816.1

RefSeq Size: 1061 bp

RefSeq ORF: 345 bp

Locus ID: 79017

UniProt ID: O75223

Cytogenetics: 7p14.3

Protein Pathways: Glutathione metabolism

MW: 12.9 kDa

Gene Summary: 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]

Transcript Variant: This variant (3) lacks an exon in the coding region, which results in a frameshift and an early stop codon, compared to variant 1. The encoded isoform (3) is shorter and has a distinct C-terminus, 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.