

## Product datasheet for **SC304887**

### gamma C Crystallin (CRYGC) (NM\_020989) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	gamma C Crystallin (CRYGC) (NM_020989) Human Untagged Clone
Tag:	Tag Free
Symbol:	CRYGC
Synonyms:	CCL; CRYG3; CTRCT2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC304887 representing NM_020989. Blue=Insert sequence Red=Cloning site Green=Tag(s)

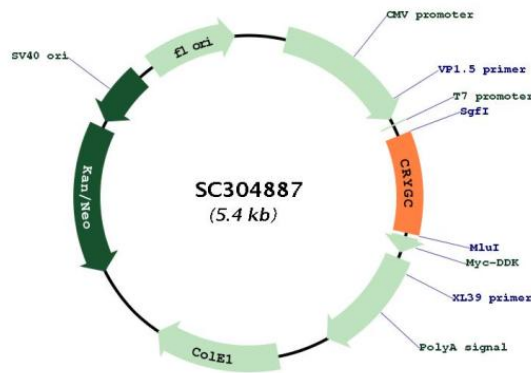
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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGATCGCC
ATGGGAAGATCACCTTCTATGAGGACAGGCCTCCAGGGCCGAGCTACGAAACCACCACTGACTGC
CCCAACCTGCAGCCGATTTTCAGCCGCTGCAACTCCATCCGGGTGGAGAGCGGCTGCTGGATGCTCTAT
GAGCGTCCCAACTACCAAGGTCAACAATACTTGTCTGCGGCGAGGGGAGTACCCCGACTACCAGCAATGG
ATGGGCCCTCAGCGACTCCATCCGCTCCTGTTGTCTCATCCCCAAACAGTCTCCACAGGCTGCGGCTG
TACGAGAGGAAGACCACAAAGGCCTCATGATGGAGCTGAGTGAAGACTGCCCCAGCATCCAGGACCGC
TTCCACCTCAGCGAGATCCGTTCCCTCCACGTGCTGGAGGCTGCTGGGTCTCTACGAGCTGCCAAC
TACCGGGGGCGCAATACCTGCTGAGGCCCAAGAGTACAGGCGGTGCCAGGACTGGGGGCCATGGAT
GCTAAGGCAGGCTCTTTGCGGAGAGTGGTGGATTTGATTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
```

Restriction Sites: Sgfl-Mlul



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Plasmid Map:



<b>ACCN:</b>	NM_020989
<b>Insert Size:</b>	525 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>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<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).

**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\\_020989.3](#)

**RefSeq Size:** 645 bp

**RefSeq ORF:** 525 bp

**Locus ID:** 1420

**UniProt ID:** [P07315](#)

**Cytogenetics:** 2q33.3

**Protein Families:** Druggable Genome

**MW:** 20.9 kDa

**Gene Summary:** This gene encodes a member of the beta/gamma-crystallin family of proteins. Crystallins constitute the major proteins of vertebrate eye lens and maintain the transparency and refractive index of the lens. This gene and several family members are present in a gene cluster on chromosome 2. Mutations in this gene have been shown to cause multiple types of cataract, including Coppock-like cataract and zonular pulverulent cataract, among others. [provided by RefSeq, Jan 2015]