

OriGene Technologies, Inc.

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Product datasheet for RC210386

gamma C Crystallin (CRYGC) (NM_020989) Human Tagged ORF Clone

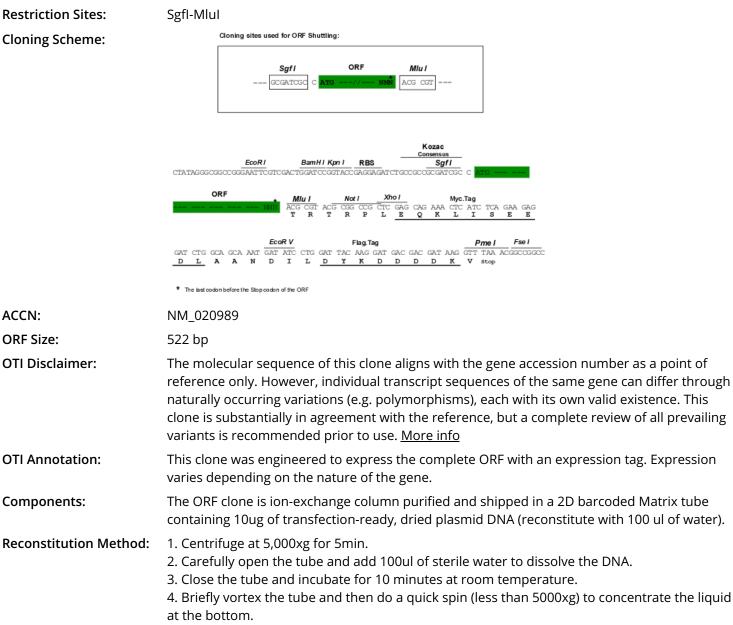
Product data:

Product Type:	Expression Plasmids
Product Name:	gamma C Crystallin (CRYGC) (NM_020989) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	gamma C Crystallin
Synonyms:	CCL; CRYG3; CTRCT2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<pre>>RC210386 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGGGGAAGATCACCTTCTATGAGGACAGGGCCTTCCAGGGCCGCAGCTACGAAACCACCACTGACTG
	ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG GTTTAA
Protein Sequence:	>RC210386 protein sequence <mark>Red</mark> =Cloning site Green=Tags(s)
	MGKITFYEDRAFQGRSYETTTDCPNLQPYFSRCNSIRVESGCWMLYERPNYQGQQYLLRRGEYPDYQQWM GLSDSIRSCCLIPQTVSHRLRLYEREDHKGLMMELSEDCPSIQDRFHLSEIRSLHVLEGCWVLYELPNYR GRQYLLRPQEYRRCQDWGAMDAKAGSLRRVVDLY
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Chromatograms:	https://cdn.origene.com/chromatograms/mk6374_a09.zip



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Samma C Crystallin (CRYGC) (NM_020989) Human Tagged ORF Clone – RC210386 gamma C Crystallin (CRYGC) (NM_020989) Human Tagged ORF Clone – RC210386



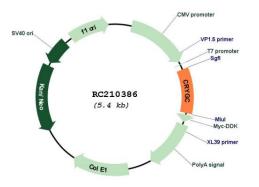
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq:	<u>NM 020989.4</u>
RefSeq Size:	645 bp
RefSeq ORF:	525 bp
Locus ID:	1420
UniProt ID:	<u>P07315</u>

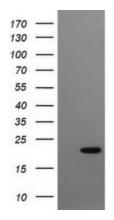
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	gamma C Crystallin (CRYGC) (NM_020989) Human Tagged ORF Clone – RC210386
Cytogenetics:	2q33.3
Protein Families:	Druggable Genome
MW:	20.9 kDa
Gene Summary:	This gene encodes a member of the beta/gamma-crystallin family of proteins. Crystallins constitute 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]

Product images:

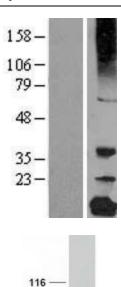


Circular map for RC210386



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY CRYGC (Cat# RC210386, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CRYGC(Cat# [TA505801]). Positive lysates [LY412154] (100ug) and [LC412154] (20ug) can be purchased separately from OriGene.

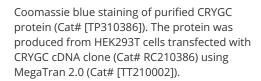
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35 · 25 · 18 · Western blot validation of overexpression lysate (Cat# [LY412154]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC210386 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



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