

## Product datasheet for MR201517

### Crygc (NM\_001082573) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Crygc (NM\_001082573) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Crygc  
**Synonyms:** Cryg-5  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR201517 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGGAAGATCACCTTCTTCGAGGACCGCAGCTTCCAGGGCCGCTGCTATGAGTGCAGCAGCGACTGCC  
 CCAACCTGCAGACCTACTTCAGCCGCTGCAATTCTGTCCGCTGGACAGTGGCTGCTGGATGCTCTATGA  
 GCGCCCAACTACCAGGGCCACCAGTACTTCTGAGACGTGGAGAGTACCCTGACTACCAGCAGTGGATG  
 GGTTTCAGCGACTCCATCCGCTCCTGCCGCTCATCCCCATGCAGGTTCCACAGAATGCGGCTGTATG  
 AGAAAGAAGATCACAAGGTGTATGATGGAGCTGAGCGAGGATTGCTCCTGCATCCAGGATCGCTCCA  
 CCTCAGTGAGGTGCGCTCGCTGCAAGTGTGGAAGGCTGCTGGGTTCTCTATGAGATGCCTAACTACCGA  
 GGCCGCCAGTATCTGCTGAGGCCTCAAGAGTACCGGCGCTTCCAGGACTGGGGCTCTGTAGATGCTAAGG  
 CGGGCTCTTTGCGGAGGGTGGTAGATTTATAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR201517 protein sequence  
 Red=Cloning site Green=Tags(s)

MGKITFFEDRSFQGRCYECSSDCPNLQTYFSRCNSVRVDSGCWMLYERPNYQGHQYFLRRGEYPDYQQWM  
 GFSDSIRSCRLIPHAGSHRMRLYEKEDHKGVMMELSEDCSIQDRFHLSEVRSLQVLEGCWVLYEMPNYR  
 GRQYLLRPQEYRRFQDWGSVDAKAGSLRRVVDLY

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI



**Cloning Scheme:**


**ACCN:** NM\_001082573

**ORF Size:** 525 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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.

**RefSeq:** [NM\\_001082573.1](#), [NM\\_001082573.2](#), [NP\\_001076042.1](#)

**RefSeq Size:** 629 bp

**RefSeq ORF:** 528 bp

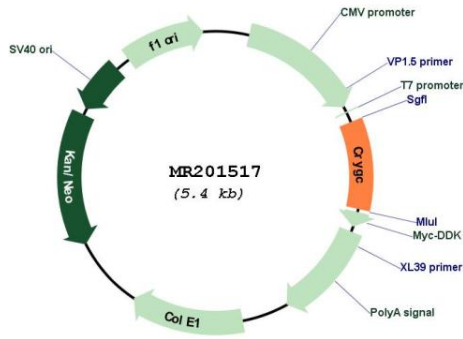
**Locus ID:** 12966

**Cytogenetics:** 1 32.81 cM

**MW:** 20.9 kDa

**Gene Summary:** Crystallins are the dominant structural components of the vertebrate eye lens.  
 [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR201517