

Product datasheet for RR200518

Crygc (NM 001081660) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Crygc (NM_001081660) Rat Tagged ORF Clone

Tag: Myc-DDK

Symbol: Crygc

Synonyms: Cryg; Cryg3; Len

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)

Cell Selection: Neomycin

ORF Nucleotide >RR200518 representing NM_001081660
Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGGGGAAGATCACCTTCTACGAGGACCGAGGCTTCCAGGGCCGCTGCTATGAGTGCAGCAGCGACTGCC CCAACCTGCAGACCTTCTACGAGGCCGCTGCAACTCCATCCGCGTGGACAGTGGCTGCTGGATGCTCTATGA GCGCCCCAACTACCAGGGCCACCAGTACTTCCTGCGACGCGGGGACTACCCTGACTACCAGCAGTGGATG GGTTTCAGCGACTCCATTCGCTCCTGCCGCCTCATCCCCCATACAGGTTCCCACAGGATGCGTCTGTATG AGAAAGAAGATCACAAAGGCGTCATGATGGAGCTGAGTGAAGACTGCTCCTGCATCCAGGACCGCTTCCA CCTCAGTGAGGTGCGCTCGCTGCACGTGCTAGAGGGCTGCTGGGTCCTCTATGAGATGCCTAACTACCGA GGCCGGCAGTATCTGCTGAGGCCTCAAGAGTACCGGCGCTACCACGACTGGGGCCGCTGTAGATGCTAAGG CAGGCTCTTTGCGGAGGGTGGTAGATTTATAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG**GTTTAA**

Protein Sequence: >RR200518 representing NM_001081660

Red=Cloning site Green=Tags(s)

MGKITFYEDRGFQGRCYECSSDCPNLQTYFSRCNSIRVDSGCWMLYERPNYQGHQYFLRRGDYPDYQQWM GFSDSIRSCRLIPHTGSHRMRLYEKEDHKGVMMELSEDCSCIQDRFHLSEVRSLHVLEGCWVLYEMPNYR

GRQYLLRPQEYRRYHDWGAVDAKAGSLRRVVDLY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-Mlul



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

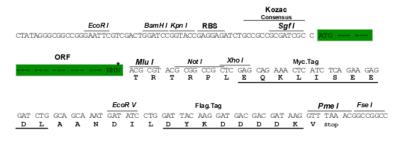
Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com

CN: techsupport@origene.cn



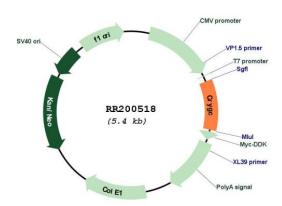
Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001081660

ORF Size: 522 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.

ORIGENE

MW:

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: <u>NM 001081660.1, NP 001075129.1</u>

21 kDa

 RefSeq Size:
 618 bp

 RefSeq ORF:
 525 bp

 Locus ID:
 24277

 UniProt ID:
 P02529

 Cytogenetics:
 9q32

Gene Summary: putative protein of the lens of the eye; human homolog is lens protein likely involved in some

forms of cataracts [RGD, Feb 2006]