

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

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGGAAGATCACCTTCTACGAGGACCGAGGCTTCCAGGGCCGCTGCTATGAGTGCAGCAGCGACTGCC
 CCAACCTGCAGACCTACTTCAGCCGCTGCAACTCCATCCGCGTGGACAGTGGCTGCTGGATGCTCTATGA
 GCGCCCAACTACCAGGGCCACCAGTACTTCTGCGACGCGGGGACTACCCTGACTACCAGCAGTGGATG
 GGTTCAGCGACTCCATTGCTCCTGCCGCTCATCCCCATACAGTTCCACAGGATCGGTCTGTATG
 AGAAAGAAGATCACAAGGCGTCATGATGGAGCTGAGTGAAGACTGCTCCTGCATCCAGGACCGTTCCA
 CCTCAGTGAGGTGCGCTCGCTGCACGTGCTAGAGGGTCTGCGGTCTCTATGAGATGCCTAACTACCGA
 GGCCGGCAGTATCTGCTGAGGCCTCAAGAGTACCGGCGCTACCACGACTGGGGCGCTGTAGATGCTAAGG
 CAGGCTCTTTGCGGAGGGTGGTAGATTTATAC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR200518 representing NM_001081660
Red=Cloning site Green=Tags(s)

MGKITFYEDRGFQGRCYECSSDCPNLQTYFSRCNSIRVDSGCWMLYERPNYQGHQYFLRRGDYDPDYQQWM
 GFSDSIRSCRLIPHTGSHRMRLYEKEDHKGVMELSEDCSCIQDRFHLSEVRSLHVLEGCWVLYEMPNYR
 GRQYLLRPQYRRYHDWGAVDAKAGSLRRVVDLY

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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| 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: | <ol style="list-style-type: none">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</u> , <u>NP_001075129.1</u> |
| RefSeq Size: | 618 bp |
| RefSeq ORF: | 525 bp |
| Locus ID: | 24277 |
| UniProt ID: | <u>P02529</u> |
| Cytogenetics: | 9q32 |
| MW: | 21 kDa |
| 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] |