

Product datasheet for **RR210148**

Crygd (NM_033095) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Crygd (NM_033095) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Crygd
Synonyms: Cryg4; Len
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR210148 representing NM_033095
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGGAAGATCACCTTCTATGAGGACCGCGCTTCCAGGGCCGCCACTATGAGTGCAGCACAGACCACT
 CCAACCTGCAGCCCTACTTCAGCCGCTGCAACTCTGTGCGCGTGGACAGTGGCTGCTGGATGCTCTATGA
 GCAGCCAACTTACAGGCTGCCAGTACTTCCTTCGTCGCGGGGACTACCCTGACTACCAGCAGTGGATG
 GGTTCAGCGACTCTGTCCGCTCCTGCCGCTCATCCCCACGCCGGCTCCACAGGATCAGACTGTACG
 AGAGGGAAGATTACAGAGGCCAGATGGTAGAGTCACTGAGGACTGCCCTCTCTCCAGGACCGATTCCA
 CTTCAATGAGATCTACTCCCTCAATGTGCTGGAGGGCTGCTGGGTCTCTATGAGATGACCAACTACAGG
 GGGCGACGACTCTGCTGAGGCCGGGAGTATAGGCGCTACCACGACTGGGGCGCCATGAATGCCAGGG
 TTGGCTCTCTGAGGAGAGTCATGGATTTCTAT

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR210148 representing NM_033095
 Red=Cloning site Green=Tags(s)

MGKITFYEDRGFQGRHYECSTDHNSLQPYFSRCNSVRVDSGCWMLYEQPNFTGCQYFLRRGDYDPDYQQWM
 GFSDSVRSCLIPHAGSHRIRLYEREDYRGQMVFEFTEDCPSLQDRFHFNEIYSLNVLEGCVWLYEMTNYR
 GRQYLLRPGEYRRYHDWGAMNARVGSLLRRVMDFY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

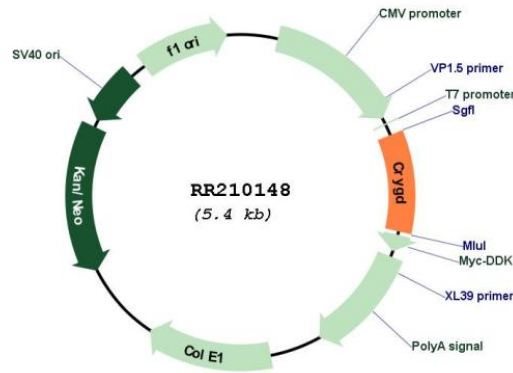
Restriction Sites: SgfI-MluI



Cloning Scheme:



Plasmid Map:



ACCN: NM_033095

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.

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_033095.1</u> , <u>NP_149086.1</u>
RefSeq Size:	634 bp
RefSeq ORF:	525 bp
Locus ID:	24278
UniProt ID:	<u>P10067</u>
Cytogenetics:	9q32
MW:	21.1 kDa
Gene Summary:	protein of the lens of the eye that may be involved in cataract formation [RGD, Feb 2006]