

Product datasheet for **RG228079**

CRCP (NM_001142414) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CRCP (NM_001142414) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: CRCP
Synonyms: C17; CGRP-RCP; CGRPRCP; POLR3I; POLR3J; RCP; RCP9; RPC9
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG228079 representing NM_001142414
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCAGCGCGGATCCCGGCGAGCACCTTGGCGCGGGAGCTGGCACCTTGGCGCTGTTGGTGGCGGCG
 GAGACAGCTGTGAAGTGAAGGATGCCAATTCTGCGTTCTCAGTAACTACGAGACGTTAAAATACATATC
 AAAACACCATGCAGGCACCAGAGTCTGAAATTGTCAGAGAATTTCTCACAGCATTGAAAAGCCACAAG
 TTGACCAAAGCTGAGAAGCTCCAGCTGCTGAACCACCGCCTGTGACTGCTGTGGAGATCCAGCTGATGG
 TGAAGAGAGTGAAGAGCGGCTCACGGAGGAGCAGATTGAAGCTCTTCTCACACCGTCACCAGCATTCT
 GCCTGCAGAGCCAGAGGCTGAGCAGAAGAAGAATACAAACAGCAATGTGGCAATGGACGAAGAGGCCCA
 GCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG228079 representing NM_001142414
 Red=Cloning site Green=Tags(s)

MQRGDPGEHLGARSWHLGAVGGGDSCEVKDANSALLSNYETLKYISKTPCRHQSPDIVREFLTALKSHK
 LTKAELQLLNHRPVTAVEIQLMVEESEERLTEEQIEALLHTVTSILPAEPEAEQKNTNSNVAMDEEDP
 A

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

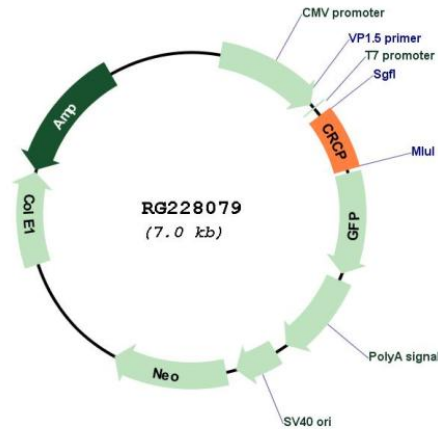


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001142414

ORF Size: 423 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_001142414.1, NP_001135886.1</u>
RefSeq Size:	2648 bp
RefSeq ORF:	426 bp
Locus ID:	27297
UniProt ID:	<u>O75575</u>
Cytogenetics:	7q11.21
Protein Families:	Druggable Genome
Gene Summary:	This gene encodes a membrane protein that functions as part of a receptor complex for a small neuropeptide that increases intracellular cAMP levels. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]