

Product datasheet for **RR214022**

Cr2 (NM_001105989) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cr2 (NM_001105989) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cr2
Synonyms: Cd21
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR214022 representing NM_001105989
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGGATCGCC

ATGGGAGCCTTGGGTTTCGCTCTGGGTTTTCTTCGCTCTCATCGCTCCGGGAGTCTTGAGCTTTCTTGTC
 ACCCTCCTCCTGAAGTAAACAATACTCGGAGACTCTATTACTCTTCCCGTACTTCTGGGACGGTCGT
 GAGGTACACTTGTACCTGGGATCGCCTCATTGGAGAAAAGGCTATCTTTGTATAAGTAAAGATCAA
 GTGACTGCCACCTGGGATAAAGTACACCTATATGTGAACCTTGAATAAAATGTCTGCTGCTCAAAGC
 CCATAGTACCAGGGGAATCATAAATCCAGGATCTAGACCACCATTCAAACATGGTGATTCTGTGACAGT
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 CCAACACCCCTGCCAGTCTGTGAGAGTGATTTCCCTCTGGAGTGCCCATCACTTCCAACGATTCAATG
 GACACCACACAGGACAGCATGTTGAAAAGTTTGTTCGGGGTGTCTGTGACATATAGTTGTGAACCTGG
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 TGCAAAGAGGCCAAGTGTGAACGTCCAGAAAAGCTTCCAATGGCAGGTAAAAGAGCCTCCGAGTCTTC
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 GGGCACATGGAAGCCACCAGTACCAGTGTGAAAAGGGATGTCAGGCTCCTCTAAAATCATCAATGGG
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 CAAAGTTGCAGAGTGAAGCCGGTAGGACCACATGCTTTGAGAGGCCTCAGAATCACTTTATTAGACCA
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TTCCTTGGTTTATAGAGATTCGTCTTTGTAAAGAAATCACCTGCCACCACCTCCTATTATCCTCAATGG
 GACACATACATGGCGTTCCTCAGAAGATGTCCCATACGGAAGTGCATCACTTACATGTGCTATCCTGGG
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR214022 representing NM_001105989
Red=Cloning site Green=Tags(s)

MGALGSLWVFFALIAPGVLELSCDPPPEVNRRLLYSLPVLPGTVVRYTCLPGYRLIGEKAIFCISKDQ
 VTATWDKATPICEPWNKMSACSKPIVPGGIINPGSRPPFKHGDSVTVTCKANFTMKGSKTVWCRANKMWG
 PTPLPVCESDFPLECPSLPTIHNGHHTGQHVKEFVAGLSVTYSCEPGYLLVGKTIKCLSSGAWDDVIPT
 CKEAKCERPEKLPNGQVKEPPSLRVGTTVYFSCNEGYELQGQPSKCVIVEQKAVWTKKPVCKEILCPPP
 PPVNLNGRHSGRFSGNVPYGNVYMCDPSPKGVNFTLIGEKTIIYCTNSSEKTIWSPAPYCKLSISEA
 QCLRQINRGQILSILKESYSYNDTVAFSCEPGFTLKGSGRIRCSAQGTWKPPVPVCEKGCQAPPKIING
 QKEDRYFLNFDPGTISIRYSCDPGYFLVGEDTIIHCTSEGKWTPIPPQCKVAECKPVGPHVFERPQNHFIRP
 AINSSCDEGFQISESAYQLCQGTIPWFIEIRLCKEITCPPPIILNGHTWRSSDVPYGTVITYMCYPG
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 CRDGYILIGSSQIRCKANNTWDPEAPHCKKEGCEPMPKLPGISDHSLIKLVNRTCQNGYQLTGYTYEKCCQ
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 PPPQLQSSPLTHCPDPEVKYGYKLNKTHSAYSHNDIIHVVCNQGFIIMNGSHLIRCHTNNTWLPGVPTCI
 RTASLGCQSPPTIPNGNHTGGTIARFSPGMSVMYSCYQGYLMAGEARLICTHEGTWHPAPYCKEVNCSF
 PEDTNGIQKGFQPGKTYRFGTTVTLECEDGYSLEGSPQSQCDENQWNPPLAICKNRSTVPLVSGISAGS
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

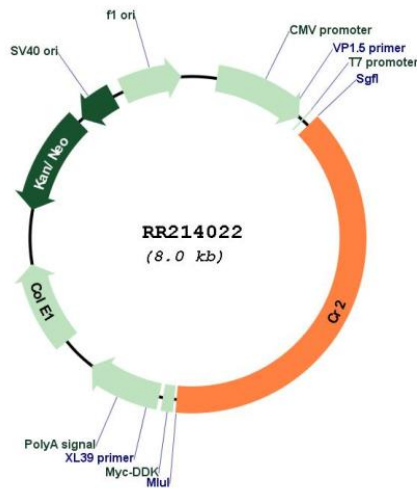
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_001105989

ORF Size:

3087 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_001105989.2, NP_001099459.2</u>
RefSeq Size:	3350 bp
RefSeq ORF:	3090 bp
Locus ID:	289395
Cytogenetics:	13q27
MW:	113.4 kDa