

## Product datasheet for MR218399

### Creg2 (NM\_170597) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Creg2 (NM_170597) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Creg2
Synonyms:	A830098L22Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR218399 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCGCTGTCCGGCAGGGAGCGTCTGCTTGGCCAGGGAGTCGCCTGTCTGGTTGCTATGCTGCAGCG  
CCCTGTTGTCCCCAGCCGCGGCTACGTGATCGTGAGCTCCGTGTCTGGGCTGTCACCAACGAGGTAGA  
TGAGGAGCTGGACAGTGCATCCACTGAGGAGCGCTGCCCGCTGCTGGAGGACTCGAGTAGCATCTGG  
CAGCAGAGCTTCCGGCCTCGGCGCACAAAGGAGACACGCACCTGCGACCTCGGGCTCCGCCCGGCCA  
GGCCCGCACCCGGCGCGTGGCATGTTCTCCTACCGCGGGAGAGCGGCTCATCTGAGGCATCCCCTGG  
CCCCAGGGTGATGCCCGCACCCCGCTCCCTAGCCACGCTAGCTCCTGGGGCTGTCTGGCCACTGTG  
TCCACCCACGAAAAGATCCAAGGACTGCCCTTGGGAGCTGCCTGGCCATCAGTGATGGCCCCGTCCACA  
ACAGCACAGGGATCCCTTTCTTACATGACAGCCAAGGACCCTGCGGTGGCTGACCTGGTGAAGAATCC  
CACAGCCTCGTGGTGTGCCGGAGTCTGAGGGGAGTTTTGCAGAAAAAACATCGTCGACCCAGAAGAC  
CCCCGATGTGCCCGTTAACGCTCACCGCCGGATGGTCACGGTGCCACCAGGGGAGGTGGAGTTCCGCA  
AGCAAGCCATGTTTTCAAGGCACCCAGGGATGAGGAAGTGGCCCCGACAGTATGAATGGTTCTTCATGAA  
GATGTGGGTAGAACACATCTGGCTCAGAAATGGTATGGAGGTGTATCTGACATCCCGAGGGAGGAATAC  
TTCAAGGCAGCTCCAAGGAAGGCC

**ACGCGT**ACGCGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTAA



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**Protein Sequence:** >MR218399 protein sequence  
Red=Cloning site Green=Tags(s)

MSLSGRERPAWPGSRLSWLLCCSALLSPAAGYIVSSVSWAVTNEVDEELDSASTEEALPALLEDSSSIW  
 QQSFPASAHKEDTHLRPRGSARARPAPAARGMFSYRRESGSSEASPGPRVHAGTARSLAHASSWGCLATV  
 STHEKIQGLPFGSCLAI SDGPVHNSTGIPFFYMTAKDPAVADLVKNPTASLVLPESGEFPCRKNIVDPED  
 PRCARLTLTGRMVTVPPGEVEFAKQAMFSRHPGMRKWPRQYEWFFMKMWVEHIWLQKWYGGVSDIPREY  
 FKAAPRKA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_170597

**ORF Size:** 867 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:**

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:** [NM\\_170597.4](#), [NP\\_733485.1](#)

**RefSeq Size:** 5799 bp

**RefSeq ORF:** 867 bp

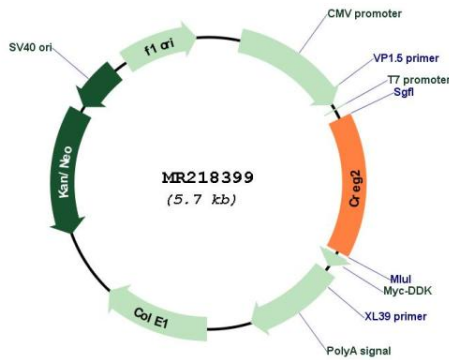
**Locus ID:** 263764

**UniProt ID:** [Q8BGC9](#)

**Cytogenetics:** 1 B

**MW:** 31.8 kDa

**Product images:**



Circular map for MR218399