

Product datasheet for **MG218399**

Creg2 (NM_170597) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Creg2 (NM_170597) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Creg2
Synonyms: A830098L22Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG218399 representing NM_170597
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGCTGTCCGGCAGGGAGCGTCCTGCTTGGCCAGGGAGTCGCCTGTCCTGGTTGCTATGCTGCAGCG
CCCTGTTGTCCCCAGCCCGCGCTACGTGATCGTGAGCTCCGTGTCCTGGGCTGTCACCAACGAGGTAGA
TGAGGAGCTGGACAGTGCATCCACTGAGGAGCGCTGCCCGCTGCTGGAGGACTCGAGTAGCATCTGG
CAGCAGAGCTTCCGGCCTCGGCGCACAAAGGAGACACGCACCTGCGACCTCGGGCTCCGCCCGGCCA
GGCCCGCACCCGGCGCGTGGCATGTTCTCCTACCGCGGGAGAGCGGCTCATCTGAGGCATCCCCTGG
CCCCAGGGTGATGCCCGCACCCCGCTCCCTAGCCACGCTAGCTCCTGGGGCTGCTGGCCACTGTG
TCCACCCACGAAAAGATCCAAGGACTGCCCTTGGGAGCTGCCTGGCCATCAGTGATGGCCCCGTCCACA
ACAGCACAGGGATCCCTTTCTTCTACATGACAGCCAAGGACCCTGCGGTGGCTGACCTGGTGAAGAATCC
CACAGCTCGTGGTGTGCCGGAGTCTGAGGGGAGTTTTGCAGAAAAACATCGTCGACCCAGAAGAC
CCCCGATGTGCCCGTTAACGCTCACCGCCGGATGGTCACGGTGCCACCAGGGGAGGTGGAGTTCCGCA
AGCAAGCCATGTTTTCAAGGCACCCAGGGATGAGGAAGTGGCCCCGACAGTATGAATGGTTCTTCATGAA
GATGTGGGTAGAACACATCTGGCTCAGAAATGGTATGGAGGTGTATCTGACATCCCGAGGGAGGAATAC
TTCAAGGCAGTCCAAGGAAGGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG218399 representing NM_170597
 Red=Cloning site Green=Tags(s)

MSLSGRERPAWPGSRLSWLLCCSALLSPAAGYIVSSVSWAVTNEVDEELDSASTEELPALLEDSSSIW
 QQSFPAHAKEDTHLRPRGSARARPAPAARGMFSYRRESGSSEASPGPRVHAGTARSLAHASSWGCLATV
 STHEKIQGLPFGSCLAISDGPVHNSTGIPFFYMTAKDPAVADLVKNPTASLVLPESEGEFCRKNIVDPED
 PRCARLTLTGRMVTVPPGEVEFAKQAMFSRHPGMRKWRQYEWFFMKMWVEHIWLQKWYGGVSDIPREY
 FKAAPRKA

TRTRPLE - GFP Tag - V

Restriction Sites:

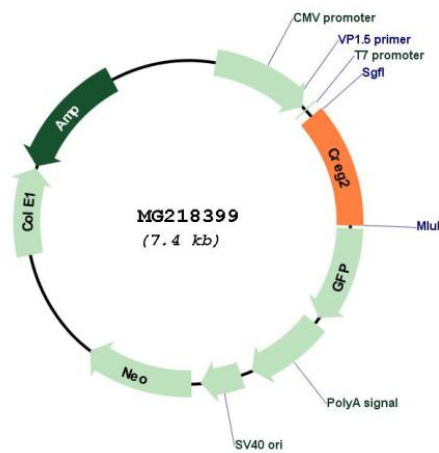
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_170597

ORF Size: 864 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:	NM_170597.4 , NP_733485.1
RefSeq Size:	5799 bp
RefSeq ORF:	867 bp
Locus ID:	263764
UniProt ID:	Q8BGC9
Cytogenetics:	1 B