

Product datasheet for **RG201654**

CREG1 (NM_003851) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CREG1 (NM_003851) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CREG1
Synonyms:	CREG
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG201654 representing NM_003851 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCGGGTATCCCGCGGGTCCGCGCGCGCACTGCTCGCCGCCCTGCTGGCGTCGACGCTGTTGGCGC
TGCTCGTGTGCCCCGCGGGGTCCGCGCGGCCGGACCACGGGGACTGGGACGAGGCCTCCCGGTGCC
GCCGCTACCACCCGCGAGGACGCGCGCGCTGGCCCGCTTCGTGACGCACGTCTCCGACTGGGGCGT
CTGGCCACCATCTCCACGCTGGAGGCGGTGCGCGGCCGCCCTTCGCCGACGTCTCTCGCTCAGCGACG
GGCCCCGGGCGGGCAGCGCGGTGCCCTATTTCTACCTGAGCCGCTGCAGCTCTCCGTGAGCAACT
GCAGGAGAATCCATATGCTACACTGACCATGACTTTGGCACAGACCAACTTCTGCAAGAAACATGGATT
GATCCACAAAGTCCCCTTTGTGTTACATAATGCTGTCAGGAACTGTGACCAAGGTGAATGAAACAGAAA
TGGATATTGCAAAGCATTGTTATTCATTTCGACACCCTGAGATGAAAACCTGGCCTTCCAGCCATAATTG
GTTCTTTGCTAAGTTGAATATAACCAATATCTGGGTCCTGGACTACTTTGGTGGACCAAAAATCGTGACA
CCAGAAGAATATTATAATGTCACAGTTCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG201654 representing NM_003851
 Red=Cloning site Green=Tags(s)

MAGLSRGSARALLAALLASTLLALLVSPARGRGGRDHGDWDEASRLPPLPPREDAARVARFVTHVSDWGA
 LATISTLEAVRGRPFADVLSLSDGPPGAGSGVPYFYLSPLQLSVSNLQENPYATLTMTLAQTNFCKKHGF
 DPQSPLCVHIMLSGTVTKVNETEMDIKHSLEIRHPEMKTWPSSHNWFFAKLNITNIWVLDYFGGPKIVT
 PEEYYNVTVQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_003851

ORF Size: 660 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_003851.3](#)

RefSeq Size: 2048 bp

RefSeq ORF: 663 bp

Locus ID: 8804

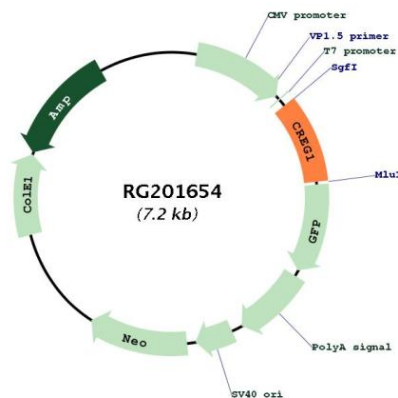
UniProt ID: [O75629](#)

Cytogenetics: 1q24.2

Protein Families: Secreted Protein, Transcription Factors, Transmembrane

Gene Summary: The adenovirus E1A protein both activates and represses gene expression to promote cellular proliferation and inhibit differentiation. The protein encoded by this gene antagonizes transcriptional activation and cellular transformation by E1A. This protein shares limited sequence similarity with E1A and binds both the general transcription factor TBP and the tumor suppressor pRb in vitro. This gene may contribute to the transcriptional control of cell growth and differentiation. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG201654