

Product datasheet for **RC201654**

CREG1 (NM_003851) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CREG1 (NM_003851) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: CREG1
Synonyms: CREG
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC201654 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCGGGCTATCCCGCGGGTCCGCGCGCGCACTGCTCGCCGCCCTGCTGGCGTCGACGCTGTTGGCGC
TGCTCGTGTGCCCCGCGCGGGTCCGCGCGGCCGGGACCACGGGACTGGGACGAGGCCTCCCGGCTGCC
GCCGCTACCACCCGCGAGGACGCGCGCGCTGGCCCGCTTCGTGACGCACGTCTCCGACTGGGGCGCT
CTGGCCACCATCTCCACGCTGGAGGCGGTGCGCGGCCGCCCTTCGCCGACGCTCCTCTCGCTCAGCGACG
GGCCCCGGGCGCGGGCAGCGGCGTGCCCTATTTCTACCTGAGCCGCTGCAGCTCTCCGTGAGCAACT
GCAGGAGAATCCATATGCTACACTGACCATGACTTTGGCACAGACCAACTTCTGCAAGAAACATGGATT
GATCCACAAAGTCCCCTTTGTGTTACATAATGCTGTCAGGAACTGTGACCAAGGTGAATGAAACAGAAA
TGGATATTGCAAAGCATTGTTATTCATTTCGACACCCTGAGATGAAAACCTGGCCTTCCAGCCATAATTG
GTTCTTTGCTAAGTTGAATATAACCAATATCTGGGTCCTGGACTACTTTGGTGGACCAAAAATCGTGACA
CCAGAAGAATATTATAATGTCACAGTTCAG

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RC201654 protein sequence
Red=Cloning site Green=Tags(s)

MAGLSRGSARALLAALLASTLLALLVSPARGRGRDHGDWDEASRLPPLPPREDAARVARFVTHVSDWGA
 LATISTLEAVRGRPFADVLSLSDGPPGAGSGVPYFYLSPLQLSVSNLQENPYATLTMTLAQTNFCKKHGF
 DPQSPLCVHIMLSGTVTKVNETEMDIKHSFLIRHPEMKTWPSHWNFFAKLNITNIWVLDYFGGPKIVT
 PEEYYNVTVQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6301_g06.zip

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_003851.3](#)

RefSeq Size: 2048 bp

RefSeq ORF: 663 bp

Locus ID: 8804

UniProt ID: [O75629](#)

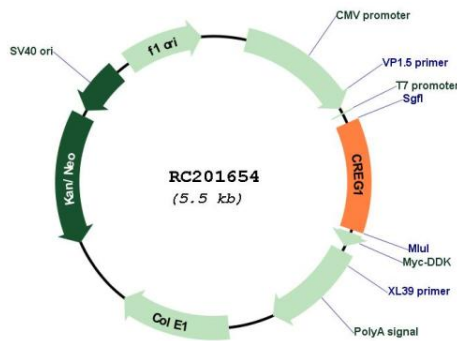
Cytogenetics: 1q24.2

Protein Families: Secreted Protein, Transcription Factors, Transmembrane

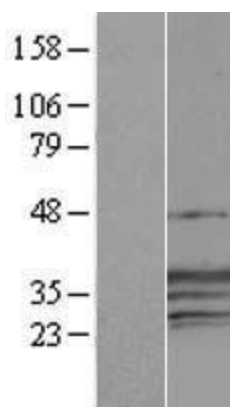
MW: 24.1 kDa

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]

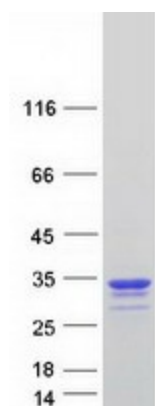
Product images:



Circular map for RC201654



Western blot validation of overexpression lysate (Cat# [LY418392]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201654 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified CREG1 protein (Cat# [TP301654]). The protein was produced from HEK293T cells transfected with CREG1 cDNA clone (Cat# RC201654) using MegaTran 2.0 (Cat# [TT210002]).