

Product datasheet for RC230042

CREBRF (NM_001168394) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CREBRF (NM_001168394) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CREBRF
Synonyms:	C5orf41; LRF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC230042 representing NM_001168394 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCTCAGCCTAGTGTAAGCGGAATGGATCCGCCTTTTCGGGGATGCCTTTTGAAGCCACACCTTTTCGG
AACAACTCTGATGAGCACAGATCTCTTAGCAAACAGTTCGGATCCAGATTTTCATGTATGAACTGGATAG
AGAGATGAACTACCAACAGAATCCTAGAGACAACCTTTCTTTTCGGAGGACTGCAAAGACATTGAAAAT
CTGGAGCTTTTCACAGATGCTCTGGATAATGAGGGTGCTTAACTCAAACCTGGGAACAGTGGGATACAT
ACTGTGAAGACCTAACGAAATATACAACTAACCAGCTGTGACATCTGGGAACAAAAGAAGTGGATTA
CTTGGGTCTTGATGACTTTCTAGTCCTTACCAAGATGAAGAGGTTATAAGTAAAACCTCAACTTTAGCT
CAACTTAATAGTGAGGACTCACAGTCTGTTTCTGATTCCCTTTATTACCCGATTCACTTTTCAGTGTC
AACAAAATCCCTTACCCTCTTATTCCCTGGTAAAAAGATCACAAGCAGAGCAGCTGCTCCTGTGTGTTT
TTCTAAGACTCTGCAGGCTGAGGTCCCTTTGTCAGACTGTGTCCAAAAAGCAAGTAAACCCACTTCAAGC
ACACAAATCATGGTGAAGACCAACATGTATCATAATGAAAAGGTGAACCTTTCATGTTGAATGTAAGACT
ATGTAAAAAGGCAAAGGTAAAGATCAACCCAGTGAACAGAGCCGGCCCTTGTGAGCCAGATTCACAC
AGATGCAGCAAAGGAGAACACCTGCTACTGTGGTGCAGTGGCAAAGAGACAAGAGAAAAAGGGATGGAG
CCTTTCAAGGTCATGCCACTCCCGCTTTGCCTTTTAAAGAAACCCAGGAATTAATAAGTCCCCTGC
CCAGGAAGTCTGGTCACTTGCAGCAGGAGAGAGCAGCAGTCTTTCTGCCAGTACATCAGTCTCAGA
TTCATCCAGAAAAAGAGACACAATTATTCTTTTTGTCTCCGACAACCTGGGTGAACAGCCAACCT
AAATGCAGTCTGAAGAAGATGAGGAGGACGAGGAGGATGTTGATGATGAGGACCATGATGAAGGATTTCG
GCAGTGAGCATGAACTGTCTGAAAATGAGGAGGAGGAAGAAGAGGAAGGATTATGAAGATGACAAGGA
TGATGATATTAGTGATACTTTCTCTGAACCAGGTATTATAATGCTTGCAAGCTTACCAGAC

ACGGTACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RC230042 representing NM_001168394
Red=Cloning site Green=Tags(s)

MPQPSVSGMDPPFGDAFRSHTFSEQTLMSTDLLANSSDPDFMYELDREMNYQQNPRDNFLSLEDCKDIEN
 LESFTDVLNNEGALTSNWEQWDTYCEDLTKYTKLTSCDIWGTKEVDYLGDDFSSPYQDEEVIKPTPTLA
 QLNSEDSQSVSDSLYYPDSLFSVKQNPLPSSFPGKKITSRAAAPVCSSKTLQAEVPLSDCVQKASKPTSS
 TQIMVKNTNMYHNEKVNHFHVECKDYVKKAKVKINPVQQSRPLL SQIHTDAAKENTCYCGAVAKRQEKKGME
 PLQGHATPALPFKETQELLLSPLPQEGPGLAAGESSSLASTSVSDSSQKKEEHNYSLFVSDNLGEQPT
 KCSPEEDEEEDVDDEDHDEGFSEHELSENEEEEEEEEDYEDDKDDDI SDTFSEPGIIMLASLPD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8037_a08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001168394

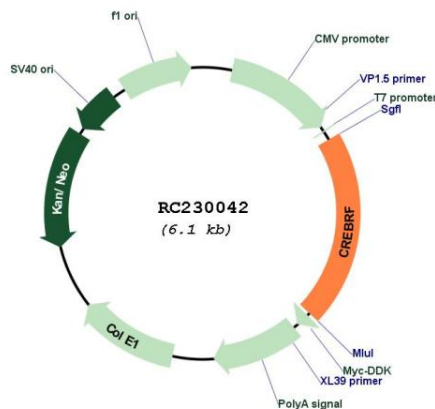
ORF Size: 1251 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in *E. coli* are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_001168394.2
RefSeq Size:	2536 bp
RefSeq ORF:	1254 bp
Locus ID:	153222
UniProt ID:	Q8IUR6
Cytogenetics:	5q35.1
Protein Families:	Transcription Factors
MW:	46.6 kDa
Gene Summary:	Acts as a negative regulator of the endoplasmic reticulum stress response or unfolded protein response (UPR). Represses the transcriptional activity of CREB3 during the UPR. Recruits CREB3 into nuclear foci.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC230042