

Product datasheet for **RG230042**

CREBRF (NM_001168394) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CREBRF (NM_001168394) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CREBRF
Synonyms:	C5orf41; LRF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG230042 representing NM_001168394 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCTCAGCCTAGTGTAAAGCGGAATGGATCCGCCTTTTCGGGGATGCCTTTTGAAGCCACACCTTTTCGG
AACAACTCTGATGAGCACAGATCTCTTAGCAAACAGTTCGGATCCAGATTTTCATGTATGAACTGGATAG
AGAGATGAACTACCAACAGAATCCTAGAGACAACCTTTCTTTTCGGAGGACTGCAAAGACATTGAAAAT
CTGGAGTCTTTCACAGATGTCTGGATAATGAGGGTGCTTAACTCAAACCTGGGAACAGTGGGATACAT
ACTGTGAAGACCTAACGAAATATACCAAATAACCAGCTGTGACATCTGGGAACAAAAGAAGTGGATTA
CTTGGGTCTTGATGACTTTCTAGTCCTTACCAAGATGAAGAGGTTATAAGTAAAACCTCAACTTTAGCT
CAACTTAATAGTGAGGACTCACAGTCTGTTTCTGATTCCCTTTATTACCCCGATTCACTTTTCAGTGTC
AACAAAATCCCTTACCCTCTTATTCCCTGGTAAAAAGATCACAAGCAGAGCAGCTGCTCCTGTGTGTTT
TTCTAAGACTCTGCAGGCTGAGGTCCTTTGTCAGACTGTGTCCAAAAAGCAAGTAAACCCACTTCAAGC
ACACAAATCATGGTGAAGACCAACATGTATCATAATGAAAAGGTGAACCTTTCATGTTGAATGTAAGACT
ATGTAAAAAGGCAAAGGTAAAGATCAACCCAGTGAACAGAGCCGGCCCTTGTGAGCCAGATTCACAC
AGATCCAGCAAAGGAGAACACCTGCTACTGTGGTGCAGTGGCAAAGAGACAAGAGAAAAAGGGATGGAG
CCTCTTCAAGTTCATGCCACTCCCGCTTTGCCTTTTAAAGAAACCCAGGAATTTACTAAGTCCCCTGC
CCAGGAAGTCTGGTCACTTGCAGCAGGAGAGAGCAGCAGTCTTTCTGCCAGTACATCAGTCTCAGA
TTCATCCAGAAAAAGAGACACAATTATTCTTTTTGTCTCCGACAACCTGGGTGAACAGCCAACCT
AAATGCAGTCTGAAGAAGATGAGGAGGACGAGGAGGATGTTGATGATGAGGACCATGATGAAGGATTTCG
GCAGTGAGCATGAACTGTCTGAAAATGAGGAGGAGGAAGAAGAGGAGGATTATGAAGATGACAAGGA
TGATGATATTAGTGATACTTTCTCTGAACCAGGTATTATAATGCTTGCAAGCTTACCAGAC

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG230042 representing NM_001168394
 Red=Cloning site Green=Tags(s)

MPQPSVSGMDPPFGDAFRSHTFSEQTLMSTDLLANSSDPDFMYELDREMNYQQNPRDNFLSLEDCKDIEN
 LESFTDVLNNEGALTSNWEQWDTYCEDLTKYTKLTSCDIWGTKEVDYGLDDFSSPYQDEEVI SKTPTLA
 QLNSEDSQSVSDSLYYPDSLFSVKQNPLPSSFPGKKITSRAAAPVCSSKTLQAEVPLSDCVQKASKPTSS
 TQIMVKTNMYHNEKVNHFHVECKDYVKKAKVKINPVQQSRPLLSQIHTDAAKENTCYGAVAKRQEKKGME
 PLQGHATPALPFKETQELLLSPLPQEGPGLAAGESSSLASTSVSDSSQKKEEHNYSLFVSDNLGEQPT
 KCSPEEDEEDEDVDEDDHDEGFSEHELSENEEEEEEEEDYEDDKDDDI SDTFSEPGIIMLASLPD

TRTRPLE - GFP Tag - V

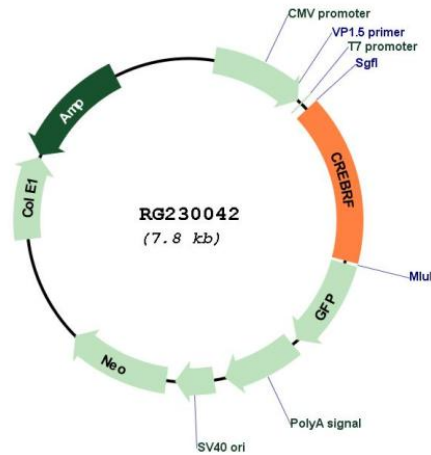
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_001168394

ORF Size:	1251 bp
OTI Disclaimer:	<p>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.</p> <p>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</p>
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
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]