

Product datasheet for **SC100385**

CREBRF (NM_153607) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CREBRF (NM_153607) Human Untagged Clone
Tag:	Tag Free
Symbol:	CREBRF
Synonyms:	C5orf41; LRF
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_153607, the custom clone sequence may differ by one or more nucleotides

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ATGCCTCAGCCTAGTGTAAAGCGGAATGGATCCGCCTTTCGGGGATGCCTTTCGAAGCCACACCTTTTCGG
AACAACTCTGATGAGCACAGATCTCTTAGCAAACAGTTCGGATCCAGATTTTCATGTATGAACTGGATAG
AGAGATGAACTACCAACAGAATCTTAGAGACAACCTTTCTTTCTTTGGAGGACTGCAAAGACATTGAAAAT
CTGGAGTCTTTCACAGATGTCTGGATAATGAGGGTGCTTTAACCTCAAACCTGGGAACAGTGGGATACAT
ACTGTGAAGACCTAACGAAATATACCAAACCTAACAGCTGTGACATCTGGGGAACAAAAGAAGTGGATTA
CTTGGGTCTTGATGACTTTCTAGTCTTACCAAGATGAAGAGGTTATAAGTAAAACCTCAAACCTTAGCT
CAACTTAATAGTGAGGACTCACAGTCTGTTTCTGATTCCCTTTATTACCCCGATTCACTTTTCAGTGTA
AACAAAATCCCTTACCCTCTTCATTCCCTGGTAAAAGATCACAAGCAGAGCAGCTGCTCCTGTGTGTTT
TTCTAAGACTCTGCAGGCTGAGGTCCCTTTGTGACTGTGTCCAAAAGCAAGTAAACCCACTTCAAGC
ACAAAATCATGGTGAAGACCAACATGTATCATAATGAAAAGGTGAACTTTCATGTTGAATGTAAGACT
ATGTA AAAAGGCAAAGGTAAGATCAACCCAGTCAACAGAGCCGGCCCTTGTGAGCCAGATTACAC
AGATGCAGCAAAGGAGAACACCTGCTACTGTGGTGCAGTGGCAAAGAGACAAGAGAAAAAGGGATGGAG
CCTCTTCAAGGTCATGCCACTCCCGCTTTGCCTTTTAAAGAAAACCCAGGAACATTACTAAGTCCCTGC
CCCAGGAAGTCTCGGTCACTTGCAGCAGGAGAGAGCAGCAGTCTTCTGCCAGTACATCAGTCTCAGA
TTCATCCAGAAAAAGAAGAGCACAAATTATTCTTTTTGTCTCCGACAACCTGGGTGAACAGCCAACCT
AAATGCAGTCTGAAGAAGATGAGGAGGACGAGGAGGATGTTGATGATGAGGACCATGATGAAGGATTCCG
GCAGTGAGCATGAACTGTCTGAAAATGAGGAGGAGGAAGAAGAGGAAGAGGATTATGAAGATGACAAGGA
TGATGATATTAGTGATACTTTCTCTGAACCAAGCTATGAAAATGATTCTGTAGAAGACCTGAAGGAGGTG
ACTTCAATATCTTACGGAAGAGAGGTA AAAAGAAGATACCTTCTGGGAGTATAGTGAACAACCTACACCAT
CACAGCAAAGAGAGGATGCTGAGACCATCTGAGTGGAAACCGAGATACTTTGCCAAGTAATATGTATCAGAA
AAATGGCTTACATCATGGAATAATGCAGTAAAGAAGTCAAGGAACTGATGTAGAAGACCTGACTCCA
AATCCTAAAAACCTCCTCCAGATAGGCAATGAACTTTCGAAAACCTGAATAAGGTGATTAGTGACTGACTC
CAGTCACTGAGCTTCCCTAACAGCCCGACCAAGGTCAAGGAAGGAAAAAATAAGCTGGCTTCCAGAGC
TTGTGCGTTAAGAAGAAAGCCAGTATGAAGCTAATAAAGTGAATTAAGGGCCTCAACACAGAATAT
GATAATTTATTGTTTGAATCAACTCCATCAAGCAAGAGATTGTAACCCGGGTACAGAATCCAAGAGATG
AGAGAGGACCCACATGGGGCAGAAGCTGAAAATCCTCATTAAAGATACTCTCGGTCTACCAGTTGCTGG
GCAAACCTCAGAAATTTGTTAACCAAGTGTAGAGAAGACTGCAGAAGGGAATCCCACTGGAGGCCTGTGA
GGATTAAGGATACCAACATCAAAGGTGTA
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_153607 unedited

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GGGGGTCAACATTTGTATACGACTCATATAGGCGGCCGCGCAAACCCGAGGCAGCATGGA
GAGGGCCCGTGGCCCTGCAGCGGAACCGGACCCAGTTCTGAGCCGCCCTACACCCAC
AGACAGCATCGCACAGAATTATTTTAAAAAAGCAGTGATCCAAGCAATTGAATTGGA
AGCACTCTGGGAAACCTGCTGTTTATTGTGAAATCATCTTCGATCTTGAATTGAAAG
TAAAGCTGAAAGGAATTTACAACAAGAAAAAAGAAGTTTGAATCGGATTCACAGG
ATCTGGGCTTGGAAATGCCTCAGCCTAGTGTAAAGCGGAATGGATCCGCCTTTCGGGGATG
CCTTTCGAAGCCACACCTTTTCGGAACAACTCTGATGAGCACAGATCTTAGCAAACA
GTTCCGATCCAGATTTTCATGTATGAACTGGATAGAGAGATGAACTACCAACAGAATCCTA
GAGACAACCTTTCTTTCTTTGGAGGACTGCAAAGACATTGAAAATCTGGAGTCTTTCACAG
ATGTCCTGGATAATGAGGGTGCTTTAACCTCAAACCTGGGAACAGTGGGATACATACTGTG
AAGACCTAACGAAATATACCAAACCTAACAGCTGTGACATCTGGGGAACAAAAGAAGTGG
ATTACTTGGGTCTTGATGACTGTTCTAGTCCTTACCAAGATGAAGAGGTTATAAAGTAAA
CTNCAACTTTAGCTCAACTTAATAGTGAGGACTCACAGTCTGGTTCTGATTCCCTTTATT
ACCCCGATTCACTTTNCAGTGTCAAACAAAATCCGTTACCTCTNCATTNCCTGNNAAAAA
GATCACAGCAGAGCAGCTGCTCCCTGTGTGTTCTTCTAGACTCTGCAGGCTGAGGTCT
    
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Restriction Sites:

NotI-NotI

ACCN:	NM_153607
Insert Size:	800 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_153607.1 , NP_705835.1
RefSeq Size:	7782 bp
RefSeq ORF:	7782 bp
Locus ID:	153222
UniProt ID:	Q8IUR6
Cytogenetics:	5q35.1
Protein Families:	Transcription Factors
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>