

Product datasheet for RC236224

CIRBP (NM_001300815) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CIRBP (NM_001300815) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: CIRBP
Synonyms: CIRP
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC236224 representing NM_001300815
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCATCAGATGAAGGCAAACCTTTTGTGGAGGGCTGAGTTTTGACACCAATGAGCAGTCGCTGGAGC
AGGTCTTCTCAAAGTACGGACAGATCTCTGAAGTGGTGGTTGTAAAGACAGGGAGACCCAGAGATCTCG
GGGATTTGGGTTTGTACCTTTGAGAACATTGACGACGCTAAGGATGCCATGATGGCCATGAATGGGAAG
TCTGTAGATGGACGGCAGATCCGAGTAGACCAGGCAGGCAAGTCGTGAGACAACCGATCCCGTGGGTACC
GTGGTGGCTCTGCCGGGGCCGGGGCTTCTCCGTGGGGCCGAGGACGGGGCCGTGGGTTCTCTAGAGG
AGGAGGGGACCGAGGCTATGGGGGAACCGGTTTCGAGTCCAGGAGTGGGGCTACGGAGGCTCCAGAGAC
TACTATAGCAGCCGGAGTCAGAGTGGTGGCTACAGTGACCGGAGCTCGGGCGGGTCTACAGAGACAGTT
ATGACAGTTACGGT

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC236224 representing NM_001300815
Red=Cloning site Green=Tags(s)

MASDEGKLFVGGLSFDTNEQSLEQVFSKYGQISEVVVVKDRETQSRGFGVTFENIDDAKDAMMAMNGK
SVDGRQIRVDQAGKSSDNRSRGYRGGGSAAGRGFRGGRGRGRGF SRGGGDRGYGGNRFESRSGGYGGSRD
YSSRSQSGGYSRSGGSYRDSYDSYG

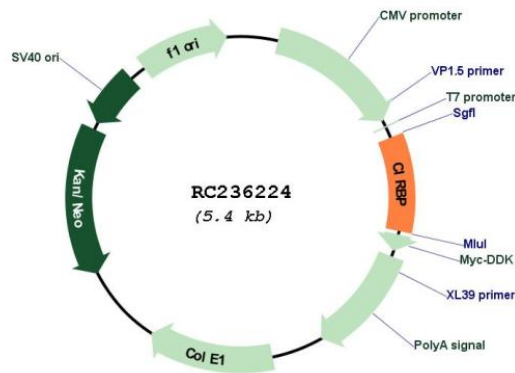
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_001300815

ORF Size: 504 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:	<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_001300815.2
RefSeq Size:	1170 bp
RefSeq ORF:	507 bp
Locus ID:	1153
UniProt ID:	Q14011
Cytogenetics:	19p13.3
MW:	18.6 kDa
Gene Summary:	Cold-inducible mRNA binding protein that plays a protective role in the genotoxic stress response by stabilizing transcripts of genes involved in cell survival. Acts as a translational activator. Seems to play an essential role in cold-induced suppression of cell proliferation. Binds specifically to the 3'-untranslated regions (3' UTRs) of stress-responsive transcripts RPA2 and TXN. Acts as a translational repressor (By similarity). Promotes assembly of stress granules (SGs), when overexpressed.[UniProtKB/Swiss-Prot Function]