

Product datasheet for SC335174

CIRBP (NM_001300829) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CIRBP (NM_001300829) Human Untagged Clone
Tag:	Tag Free
Symbol:	CIRBP
Synonyms:	CIRP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335174 representing NM_001300829. Blue=Insert sequence Red=Cloning site Green=Tag(s)

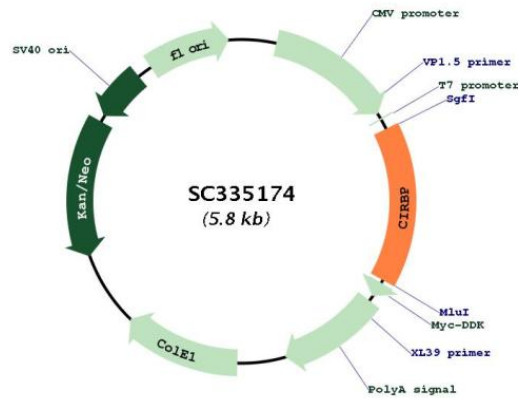
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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC CGGATCGCC
ATGGCATCAGATGAAGGCAAACTTTTTGTTGGAGGGCTGAGTTTTGACACCAATGAGCAGTCGCTGGAG
CAGGTCTTCTCAAAGTACGGACAGATCTCTGAAGTGGTGGTTGTGAAAGACAGGGAGACCCAGAGATCT
CGGGGATTTGGGTTTGTACCTTTGAGAACATTGACGACGCTAAGGATGCCATGATGGCCATGAATGGG
AAGTCTGTAGATGGACGGCAGATCCGAGTAGACCAGGCAGGCAAGTCGTCAGACAACCGATCCCGTGGG
TACCGTGGTGGCTCTGCCGGGGCCGGGGCTTCTCCGTGGGGCCGAGGACGGGGCCGTGGGTTCTCT
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GACAGTTATGACAGTTACGGTAAGTCACACTCCGAGGGCCACGCTGCTGTGGCCTGCGGTGGGAGCT
CGGTTACCTTGGTGCCTCTCCAAGCACTTTAGGCTGGACACTCAGACCTTGTCACTGTGCTTGCCCA
GAAGAGGCGCATCTGTCTCTCAGAGCCATTTCTATCGCAGGACGCAAAGCCAAATGAGACTGACCAA
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CTCGGCTGTGGGGGTGGTTGCTCCCGGCCGACGGCCGCGCCCTGGTCTGGCCTCTGGGTGAAGCTG
CCTCTTGTGCTTCGGTGCCTTTACACTGTGCCTGCTTCTGTCTCAGCTACACACAACGAGTAA
ACGGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: Sgfl-MluI



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Plasmid Map:



ACCN: NM_001300829

Insert Size: 894 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:

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_001300829.1](#)

RefSeq Size: 1790 bp

RefSeq ORF: 894 bp

Locus ID: 1153

UniProt ID: [Q14011](#)

Cytogenetics: 19p13.3

MW: 31.9 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]
Transcript Variant: This variant (3) encodes the longest isoform (3).