

Product datasheet for **RR204978**

Cirbp (NM_031147) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cirbp (NM_031147) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cirbp
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR204978 representing NM_031147
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGGCATCAGATGAAGGCAAGCTTTTCGTGGGAGGTCTCAGCTTCGACACCAATGAGCAGGGCTGGAGC
 AGGTCTTCTCCAAGTATGGCAGATCTCGGAAGTGGTGGTAAAGGACAGGGAGACTCAACGATCCCG
 AGGCTTCGGGTTTGTACCTTTGAAAATATCGATGACGCTAAGGATGCCATGATGGCTATGAATGGGAAG
 TCTGTGGATGGGAGGCAGATCCGAGTTGACCAGGCTGGCAAGTCTTCTGATAACCGTCCCAGGATACC
 GGGGTGGCTCTGCTGGAGGCCGTGGCTTCTCCGTGGGGACGCAGCCGGGGCCGAGGGTTCTCCAGAGG
 AGGAGGAGACTGGGGCTATGGAGGTGGCCGCTTTGAGTCCCGAGTGGTGGTTATGGAGGCTCCAGAGAC
 TACTATGCCAGCCGGAGTCAGGGTGGCAGCTATGGCTATCGGAGCTCCGGTGGTCTACAGAGACAGCT
 ACGACAGCTATGCTACACACAACGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR204978 representing NM_031147
Red=Cloning site Green=Tags(s)

MASDEGKLFVGGLSFDTNEQALEQVFSKYGQISEVVVVKDRETQSRGFGFVTFENIDDAKDAMMAMNGK
 SVDGRQIRVDQAGKSSDNRSRGYRGGSSAGGRGFRRGGRSRGRGF SRGGDWGYGGGRFESRSGGYGSRD
 YYASRSQGGSYGRSSGGSYRDSYDSYATHNE

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

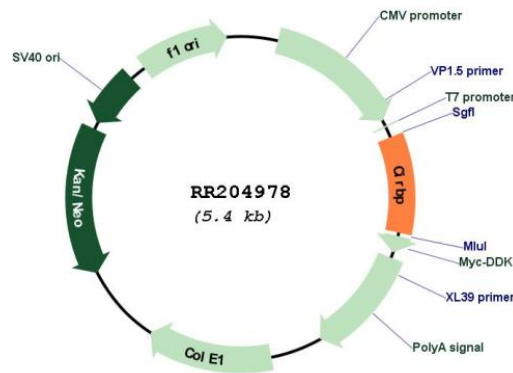


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Cloning Scheme:



Plasmid Map:



ACCN: NM_031147

ORF Size: 516 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:	<u>NM_031147.2</u> , <u>NP_112409.2</u>
RefSeq Size:	1482 bp
RefSeq ORF:	519 bp
Locus ID:	81825
Cytogenetics:	7q11
MW:	18.6 kDa
Gene Summary:	expression decreased by ischemia and H2O2; may mediate generation of reactive oxygen species [RGD, Feb 2006]