

Product datasheet for **RG236224**

CIRBP (NM_001300815) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CIRBP (NM_001300815) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: CIRBP
Synonyms: CIRP
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG236224 representing NM_001300815.
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCATCAGATGAAGGCAAACTTTTTGTGGAGGGCTGAGTTTTGACACCAATGAGCAGTCGCTGGAG
CAGGTCTTCTCAAAGTACGGACAGATCTCTGAAGTGGTGGTTGTGAAAGACAGGGAGACCCAGAGATCT
CGGGGATTTGGTTTTGTACCTTTGAGAACATTGACGACGCTAAGGATGCCATGATGGCCATGAATGGG
AAGTCTGTAGATGGACGGCAGATCCGAGTAGACCAGGCAGGCAAGTCGTCAGACAACCGATCCCGTGGG
TACCGTGGTGGCTCTGCCGGGGCCGGGGCTTCTCCGTGGGGCCGAGGACGGGGCCGTGGTTCTCT
AGAGGAGGAGGGGACCGAGGCTATGGGGGAACCGGTTTCGAGTCCAGGAGTGGGGCTACGGAGGCTCC
AGAGACTACTATAGCAGCCGGAGTCAGAGTGGTGGCTACAGTGACCGGAGCTCGGGCGGGTCTACAGA
GACAGTTATGACAGTTACGGT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG236224
Blue=ORF Red=Cloning site Green=Tag(s)

```
MASDEGKLFVGGLSFDTNEQSLEQVFSKYGQISEVVVVKDRETQRSRGFGVTFENIDDAKDAMMAMNG
KSV DGRQIRVDQAGKSSDNRSRGRYRGSAGGRGFRGGRGRGRGFSRGGGDRGYGNRFESRSGGYGGS
RDYSSRSQSGGYSRDSYDSYDYG
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPYSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSSHMFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: SgfI-MluI



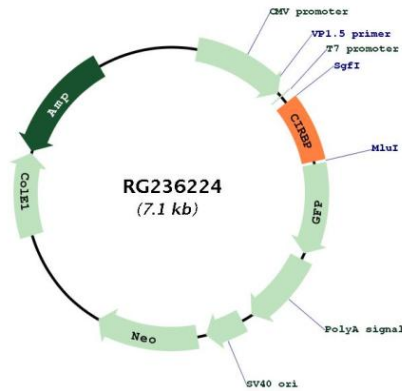
[View online »](#)

Cloning Scheme:


- 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).
- 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]

Product images:


Circular map for RG236224