

Product datasheet for RG201639

CIRBP (NM 001280) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: CIRBP (NM_001280) Human Tagged ORF Clone

Tag: TurboGFP

Symbol: CIRBP

Synonyms: CIRP

Mammalian Cell Neomycin

Selection:

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide >RG201639 representing NM_001280

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGGCATCAGATGAAGGCAAACTTTTTGTTGGAGGGCTGAGTTTTTGACACCCAATGAGCAGTCGCTGGAGC AGGTCTTCTCAAAGTACGGACAGATCTCTGAAGTGGTGGTTGTTGAAAGACAGGGAGACCCAGAGATCTCG GGGATTTGGGTTTTGTCACCTTTGAGAACATTGACGACGCTAAGGATGCCATGATGGCCATGAATGGGAAG TCTGTAGATGGACGGCAGATCCCGAGTAGACCAGGCAAGTCGTCAGACAACCGATCCCGTGGGTACC GTGGTGGCTCTGCCGGGGGCCGGGGCTTCTTCCGTGGGGGCCGAGGACGGGCCGTGGGTTCTCTAGAGG AGGAGGGGACCGAGGCCTATGGGGGGAACCGGTTCGAGTCCAGAGAC TACTATAGCAGCCGGAGTCAGAGTGGTGGCTACAGTGACCGGAGCTCCTACAGAGACAGTT

ACGACAGTTACGCTACACACAACGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG201639 representing NM_001280

Red=Cloning site Green=Tags(s)

MASDEGKLFVGGLSFDTNEQSLEQVFSKYGQISEVVVVKDRETQRSRGFGFVTFENIDDAKDAMMAMNGK SVDGRQIRVDQAGKSSDNRSRGYRGGSAGGRGFFRGGRGRGRGFSRGGGDRGYGGNRFESRSGGYGGSRD

YYSSRSQSGGYSDRSSGGSYRDSYDSYATHNE

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-Mlul



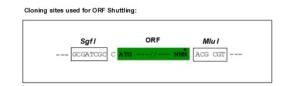
OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

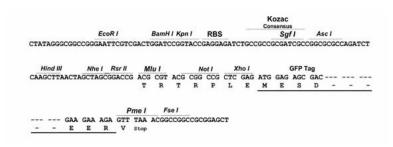
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



Cloning Scheme:





ACCN: NM_001280

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: 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 001280.1</u>, <u>NP 001271.1</u>

RefSeq Size: 1322 bp
RefSeq ORF: 519 bp
Locus ID: 1153
UniProt ID: Q14011



Cytogenetics: 19p13.3

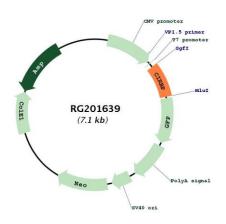
Domains: RRM, RRM_1

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 RG201639