

Product datasheet for **SC119359**

CIRBP (NM_001280) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CIRBP (NM_001280) Human Untagged Clone
Tag:	Tag Free
Symbol:	CIRBP
Synonyms:	CIRP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_001280 edited ATGGCATCAGATGAAGGCAAACCTTTTGTGGAGGGCTGAGTTTTGACACCAATGAGCAG TCGCTGGAGCAGGTCTTCTCAAAGTACGGACAGATCTCTGAAGTGGTGGTTGTGAAAGAC AGGGAGACCCAGAGATCTCGGGGATTTGGGTTTGTACCTTTGAGAACATTGACGACGCT AAGGATGCCATGATGGCCATGAATGGGAAGTCTGTAGATGGACGGCAGATCCGAGTAGAC CAGGCAGGCAAGTCGTCAGACAACCGATCCCGTGGGTACCGTGGTGGCTCTGCCGGGGG CGGGGCTTCTCCGTGGGGGCCGAGGACGGGGCCGTGGTTCTCTAGAGGAGGAGGGGAC CGAGGCTATGGGGGAACCGGTTTCGAGTCCAGGAGTGGGGGCTACGGAGGCTCCAGAGAC TACTATAGCAGCCGGAGTCAGAGTGGTGGCTACAGTGACCGGAGCTCGGGCGGGTCTAC AGAGACAGTTATGACAGTTACGCTACACACAACGAGTAA



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_001280 unedited</p> <pre>TGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGCTCGGGTCGTTGTGGTGCG CTGTCTTCCCCTTGGCGTCAGGGACCTGCCGACTCAGTGGCCGCATGGCATCAGATGA AGGCAAATTTTTGTTGGAGGGCTGAGTTTTGACACCAATGAGCAGTCGCTGGAGCAGGT CTTCTCAAAGTACGGACAGATCTCTGAAGTGGTGGTTGTAAAGACAGGGAGACCCAGAG ATCTCGGGGATTTGGGTTTGTACCTTTGAGAACATTGACGACGCTTAGGATGCCATGAT GGCCATGAATGGGAAGTCTGTAGATGGACGGCAGATCCGAGTAGACCAGGCAGGCAAGTC GTCAGACAACCGATCCCCTGGGTACCGTGGTGGCTCTGCCGGGGCCGGGGCTTCTCCG TGGGGGCCGAGGACGGGGCCGTGGGTTCTCTAGAGGAGGAGGGGACCGAGGCTATGGGGG GAACCGGTTCCAGTCCAGGAGTGGGGGTACGGAGGCTCCAGAGACTACTATAGCAGCCG GAGTCAGAGTGGTGGCTACAGTGACCGGAGCTCGGGCGGGTCTACAGAGACAGTTATGA CAGTTACGCTACACACAACGAGTAAAAACCTTCTGCTCAAGATCGTCTTCCAATGGG CTGTGTGTTTAAAGATTGTGGGAGCTTCGCTGAACGTTAATGTGTAGTAAATGCACCTCC TTGTATCCCACTTTTCGAGTCTTTTTTCGGGTTCTGATCTGTCAAACCCAGCCTGACCG CTTCTGACGCCCCGGATGCCTCNGTACTAGACTTTCTTTTTAAAGGAAGGGGTTGGTTT TTTTTTGGGGGGTTTTCAAACATTTTAAAAGCATTACTTTTTGACCCAGCCATGAGT TAAAAGGGGGGGGGGGGGGGGGGNNNNNNNGGNNNNNAAAAA</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_001280 unedited</p> <pre>GCGGCACGCAATCTAGNATCGAGTTTTTTTTTTTTTTTTTTCATTTAACACGNGTCTTTT AATCGGCTTCGTAAGCCAAAAAAACTGCGTACAAGAATTCCTCAGCCACTGCAAATAC AACATCGATGGAGTATGCGTACGCTTCCAGTAAAAAAGGACAATATAAATAAACATCTT CAAGAACCTCTCAGGGAGCTCTGCACGCTACTGTGGGGCGCACAGCACAGATGGACGCA GGGGCTGGGGCTCCAGGGCAGTTGCTGCCACACCCGCCGGGGTCTACCACACTACACTC AGAAACGTACACGGAGTTGAAAAAAGCCACAGCTTGCTCAGCTTCCGACAAAGAGCGG ATTCACAGTCCGTTTCGATCTCAGAGAAGTGAAGTGGGGCACCCACTTCATGGGGCCAAACC CACTAAAAAAGGCAACGCAACCAAAAACTAAAAAACAACCAAAACCCACACAA CCCCGATTTTTTAAAACTCATGGCTCGTGGTCAAAAAAGTAAATGCTTTTCAAATG TTTTAAAAACCTCAAAAAAACAGCACTTCTTAAAAAGAAAAGTCTAGTAAACGAGGC CATCCCGCGTCAGAAGCGGTGAGGCTGGGTTTGACAAGATCAGAACCAGAAATGACTACG AAAGTGGGAATACAAGGAGGTGCATTTACTACACATTAACGTTTACGCGAAGCTCCACAA TCTTTAAACACACAGCCATTGGAAGGACGATCTTGAGCAGGAAGGGTTTTTACTCGTTGT GTGTAGCGTAACTGTCATAACTGTCTCTGTNAGACCCGNCAGCTCGGTCACTGTAGC CACCCTCTGACTNCGCTGCTATAGTAGTCTCTGGAGCCTNCGTAGCCCCACTCCTGGA CTCGNACCGGNTCCNCATAGCCTCGGTCCCCTCCTCTAGAAAAACCCAGCCCGTNN CTCGCCCCAGNAAGAGCCCGA</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_001280
Insert Size:	1260 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:	<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_001280.1 , NP_001271.1
RefSeq Size:	1322 bp
RefSeq ORF:	519 bp
Locus ID:	1153
UniProt ID:	Q14011
Cytogenetics:	19p13.3
Domains:	RRM, RRM_1
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) uses alternate splice sites at the 3' end, resulting in a novel 3' coding region and 3' UTR, compared to variant 5. It encodes isoform 1, which has a shorter and distinct C-terminus, compared to isoform 3.</p>