

Product datasheet for SC330516

CYRIB (NM_001256763) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CYRIB (NM_001256763) Human Untagged Clone
Tag:	Tag Free
Symbol:	CYRIB
Synonyms:	BM-009; CYRI; CYRI-B; FAM49B; L1
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC330516 representing NM_001256763. Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGGGGAATCTTCTTAAAGTTTTGACATGCACAGACCTTGAGCAGGGGCCAAATTTTTCCTTGATTTT
 GAAATGCCCAGCCTACAGAGTCTGAGAAGGAAATTTATAATCAGGTGAATGTAGTATTAAGATGCA
 GAAGGCATCTTGGAGGACTTGCAAGAGAAGGCATGGGGTGCAGTTGTTCCACTAGTAGGCAAATTAAGAAA
 TTTTACGAATTTTCTCAGAGGTTAGAAGCAGCATTAAAGAGTCTTCTGGGAGCCTTAACAAGTACCCCA
 TATTCTCCACCCAGCATCTAGAGCGAGAGCAGGCTCTTGCTAAACAGTTTGAGAAATTTCTTCATTTC
 ACACTCCGGTTTGATGAACTCAAGATGACAAATCCTGCCATACAGAATGATTTTCAGCTATTATAGAAGA
 ACATTGAGTCGTATGAGGATTAACAATGTACCGGCAGAGGAGAGAAATGAAGTAAATAATGAATTGGCA
 AATCGAATGTCTTTGTTTATGCTGAGGCAACTCCAATGCTGAAAACCTTGAGTGATGCCACAACAAAA
 TTTGTATCAGAGAATAAAAAATTTACCAATAGAAAAATACCAGATTGTTTAAGCACAATGGCTAGTGTA
 TGCAGAGTCATGCTGGAAACACCGGAATACAGAAGCAGATTTACAAATGAAGAGACAGTGTCATTCTGC
 TTGAGGGTAATGGTGGGTGTCATAACTCTATGACCAGTACATCCAGTGGGAGCATTGCTAAAACT
 TCCAAAATTGATATGAAAGGTTGTATCAAAGTTCTTAAGGACCAACCTCCTAATAGTGGAAGGTCTT
 CTAAATGCTCTCAGGTACACAACAAAACATTTGAATGATGAGACTACCTCCAAGCAAATTAATCCATG
 CTGCAATAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001256763
Insert Size:	975 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).


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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_001256763.1](#)

RefSeq Size: 3925 bp

RefSeq ORF: 975 bp

Locus ID: 51571

UniProt ID: [Q9NUQ9](#)

Cytogenetics: 8q24.21

MW: 36.7 kDa

Gene Summary: Negatively regulates RAC1 signaling and RAC1-driven cytoskeletal remodeling (PubMed:31285585, PubMed:30250061). Regulates chemotaxis, cell migration and epithelial polarization by controlling the polarity, plasticity, duration and extent of protrusions. Limits Rac1 mediated activation of the Scar/WAVE complex, focuses protrusion signals and regulates pseudopod complexity by inhibiting Scar/WAVE-induced actin polymerization (PubMed:30250061). Protects against Salmonella bacterial infection. Attenuates processes such as macropinocytosis, phagocytosis and cell migration and restrict sopE-mediated bacterial entry (PubMed:31285585). Restricts also infection mediated by Mycobacterium tuberculosis and Listeria monocytogenes (By similarity). Involved in the regulation of mitochondrial dynamics and oxidative stress (PubMed:29059164).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) and variant 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.