

## Product datasheet for **RG207880**

### **CYRIA (NM\_030797) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CYRIA (NM_030797) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CYRIA
Synonyms:	CYRI-A; FAM49A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG207880 representing NM_030797 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGAAACCTGCTCAAAGTCCTTACCAGGAAATTGAAAATCCACACTTTTTCTGGATTTTGAAA  
ATGCTCAGCCTACAGAAGGAGAGAGAAATCTGGAACCAGATCAGCGCCGTCCTCAGGATTCTGAGAG  
CATCCTTGCAGACCTGCAGGCTTACAAAGGCGCAGGCCAGAGATCCGAGATGCAATTCAAATCCCAAT  
GACATTCAGCTTCAAGAAAAAGCTTGAATGCGGTGTGCCCTCTGTTGTGAGGCTAAAGAGATTTTACG  
AGTTTTCCATTAGACTAGAAAAAGCTCTCAGAGTTTATTGGAATCTCTGACTTGTCCACCCTACACACC  
AACCCAACACCTGGAAAGGGAACAGGCCCTGGCAAAGGAGTTTGCCGAAATTTACATTTTACCCTTCGA  
TTCGATGAGCTGAAGATGAGGAACCCGGCTATTGAGAATGACTTCAGCTACTACAGAAGAACAATCAGTC  
GCAACCGCATCAACAATGCACCTAGACATTGAGAATGAAGTCAATAATGAGATGGCCAATCGAATGTC  
CCTCTTATGCAGAAGCCACGCCAATGCTGAAAACCTTAGCAATGCCACAATGCACCTTTGTCTCTGAA  
AACAAAATCTGCCAATAGAGAACACCAGACTGCCTCAGCACAATGACAAGTGTCTGTAAGTCATGC  
TGGAAACTCCGGAGTACAGAAGTAGGTTTACGAGTGAAGAGACCCTGATGTTCTGCATGAGGGTATGGT  
GGGAGTCATCCTCTATGACCATGTCCACCTGTGGGAGCTTCTGCAAGACATCCAAGATCGATATG  
AAAGGCTGCATAAAAGTTTTGAAGGAGCAGGCCCCAGACAGTGTGGAGGGGCTGCTAAATGCCCTCAGGT  
TCACTACAAAGCACTTGAACGATGAATCAACTTCAAACAGATTTCGAGCAATGCTTCAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >RG207880 representing NM\_030797  
Red=Cloning site Green=Tags(s)

MGNLLKVLTREIENYPHFFLDFENAQPTEGEREIWNQISAVLQDSEILADLQAYKGAGPEIRDAIQNPN  
 DIQLQEKAWNVCPLVVRLKRFYEFYSIRLEKALQSLLESLTCPPTYPTQHLEREQALAKEFAEILHFTLR  
 FDELKMRNPAIQNDFSYRRTISRNRINNMHLDIENEVNNEMANRMSLFYAEATPMLKTL SNATMHFVSE  
 NKTLPIENTTDCLSTMTSVCKVMLETPEYRSRFTSEETLMFCMRVMVGVIILYDHVHPVGAFCKTSKIDM  
 KGCIVLKEQAPDSVEGLLNALRF TTKHLNDESTSKQIRAMLQ

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_030797

**ORF Size:** 969 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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_030797.4](#)

**RefSeq Size:** 1513 bp

**RefSeq ORF:** 972 bp

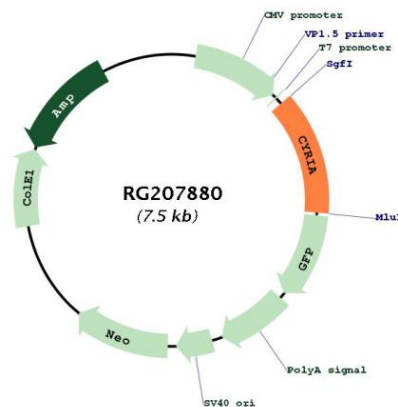
**Locus ID:** 81553

**UniProt ID:** [Q9H0Q0](#)

**Cytogenetics:** 2p24.2

**Gene Summary:** May negatively regulate RAC1 signaling and RAC1-driven cytoskeletal remodeling (Probable). May regulate chemotaxis, cell migration and epithelial polarization by controlling the polarity, plasticity, duration and extent of protrusions (Probable).[UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for RG207880