

## Product datasheet for RC229731

### UQCC (UQCC1) (NM\_001184977) Human Tagged ORF Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids  |
| Product Name:             | UQCC (UQCC1) (NM_001184977) Human Tagged ORF Clone                             |
| Tag:                      | Myc-DDK  |
| Symbol:                   | UQCC   |
| Synonyms:                 | BFZB; C20orf44; CBP3; UQCC   |
| Mammalian Cell Selection: | Neomycin   |
| Vector:                   | pCMV6-Entry (PS100001)   |
| E. coli Selection:        | Kanamycin (25 ug/mL)   |
| ORF Nucleotide Sequence:  | >RC229731 representing NM_001184977<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGTTGCTGGTGCGAGTCTTAGGAACCAGACTAGCATTCTCAGTGGGTTCCAGTATGCAGCCGAT  
TGATACCTGTGTCTCTACCCAAGGACAGGGGACAGGGCTCTGTCTCGCACTCCAGAAGATTAAGAT  
TGCGGCCCTGCGCATGTACTAGCTGTGTGGAGAAAAGTACTCGAGGAATCTTTCTAAGGTGTCAG  
ATGCCTGATACATTCAATTCATGGTTTCTATAACCCTACTCCAGTCTGGATGTGTCTAGTCCGAATGA  
AGCAGGAAGGCCGAGTGGGAAGTACATGTGTCGTATCATAGTTCATTTATGTGGGAGGATGTTTCAGCA  
GCGCGGCAGAGTCATGGGGTTAATCCCTATATCCTGAAGAAGAACATGATCCTCATGACAAATCATTTT  
TATGCAGCGATCTTGGGATATGATGAGGGGATCCTTTTCAGATGATCATGGGCTGGCCGCTGCCCTCTGGA  
GAACCTTCTTCAACCGGAAATGTGAAGACCCTCGACATCTTGAATTGCTGGTAGAGTATGTGAGGAAACA  
GATACAGTACCTGGACTCCATGAACGGGGAGGATCTGCTTCTGACAGGGGAGGTGAGCTGGCCCTCTA  
GTGGAGAAGAATCCTCAGAGCATCTGAAGCCCCATTCTCCGACTTACAACGACGAGGGACTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC229731 representing NM\_001184977  
 Red=Cloning site Green=Tags(s)

MALLVRVLRNQTSSISQWVPVCSRLIPVSPTQGQGDRLSRTSQKIKIAALRMYTSCVEKTDFFEEFFLRQC  
 MPDTFNSWFLITLLHVWMCLVRMKQEGRSKYMCR IIVHFMWEDVQQRGRVMGNPNYILKKNMILMTNHF  
 YAAILGYDEGILSDDHGLAAALWRTFFNRKCEDPRHLELLVEYVRKQIQYLD SMNGEDLLLTGEVSWRPL  
 VEKNPQSILKPHSPTYNDEGL

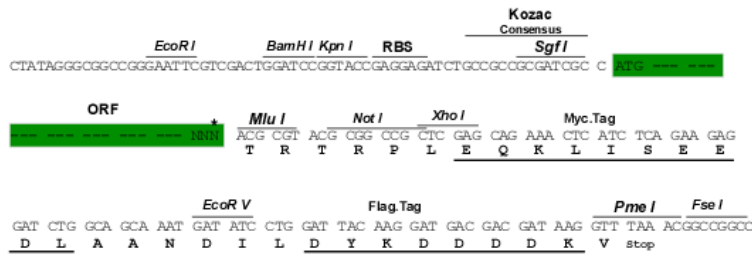
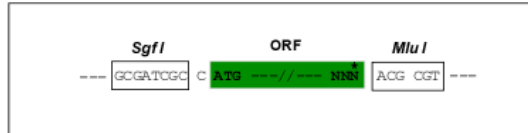
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1519\\_a08.zip](https://cdn.origene.com/chromatograms/ja1519_a08.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001184977

**ORF Size:** 693 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:** [NM\\_001184977.1](#), [NP\\_001171906.1](#)

**RefSeq ORF:** 696 bp

**Locus ID:** 55245

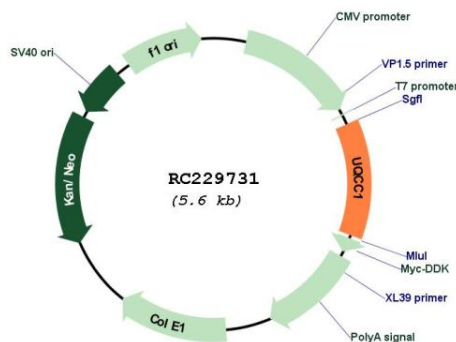
**UniProt ID:** [Q9NVA1](#)

**Cytogenetics:** 20q11.22

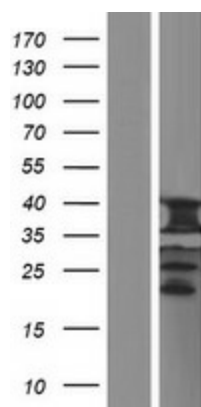
**MW:** 27.4 kDa

**Gene Summary:** This gene encodes a transmembrane protein that is structurally similar to the mouse basic fibroblast growth factor repressed ZIC-binding protein. In mouse this protein may be involved in fibroblast growth factor regulated growth control. In humans, polymorphisms in this gene are associated with variation in human height and osteoarthritis. Alternate splicing results in multiple transcript variants. [provided by RefSeq, May 2010]

## Product images:



Circular map for RC229731



Western blot validation of overexpression lysate (Cat# [LY432731]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC229731 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).