

Product datasheet for RC219211

UQCC (UQCC1) (NM_199487) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UQCC (UQCC1) (NM_199487) 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:	>RC219211 representing NM_199487 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGTTGCTGGTGCGAGTCCTTAGGAACCAGACTAGCATTCTCAGTGGGTTCCAGTATGCAGCCGAT
TGATACCTGTGTCTCTACCCAAGGACAGGGGGACAGGGCTCTGTCTCGCACTTCCCAGTGGCCCCAGAT
GAGCCAGTCCCGAGCATGTGGTGGATCAGAACAGATTCTGGAATAGACATACAGCTGAATAGGAAGTAT
CACACCACACGTAAGCTTTCTACTACCAAAGATCCCCACAGCCTGTTGAGGAGAAGTTGGTGCTTTCA
CAAAGATAATAGAAGCCATGGGATTCACGGGACCTTTGAAATACAGTAAATGGAAGATTAAGATTGCGGC
CCTGCGCATGTACTAGCTGTGTGGAGAAAAGTACTTCGAGGAATCTTTCTAAGGTGTGAGTGCCT
GATACATTCAATTCATGTTTTCTATAACCCTACTCCACGCTGTGGATGTGTCTAGTCCGAATGAAGCAGG
AAGGCCGGAGTGGGAAGTACATGTGTCGTATCATAGTTCAATTTATGTGGGAGGATGTTACAGCAGCGCGG
CAGAGTCATGGGGGGATCCTTTAGATGATCATGGGCTGGCCGCTGCCCTCTGGAGAACCTTCTCAAC
CGGAAATGTGAAGACCCTCGACATCTTGAATTGCTGGTAGAGTATGTGAGGAAACAGATACAGTACCTGG
ACTCCATGAACGGGGAGGATCTGCTTCTGACAGGGGAGGTGAGCTGGCCCTCTAGTGGAGAAGAATCC
TCAGAGCATCCTGAAGCCCCATTCTCCGACTTACAACGACGAGGGACTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC219211 representing NM_199487
Red=Cloning site Green=Tags(s)

MALLVRVLRNQTSSISQWVPVCSRLIPVSPTQGQGDRLSRTSQWPQMSQSRACGGSEQIPGIDIQLNRKY
 HTTRKLSSTKDSPPVEEKVGAFTKIIIEAMGFTGPLKYSKWKIKIAALRMYTSCVEKTDFFEEFLRCQMP
 DTFNSWFLITLLHVWMLVVRMKQEGRSKYMCRIVVHFMWEDVQQRGRVMGGILSDDHGLAAALWRTFFN
 RKCEDPRHLELLVEYVRKQIQYLD SMNGEDLLL TGEVSWRPLVEKNPQSILKPHSPTYNDEGL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8048_e02.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_199487

ORF Size: 782 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_199487.2](#), [NP_955781.2](#)

RefSeq Size: 2257 bp

RefSeq ORF: 822 bp

Locus ID: 55245

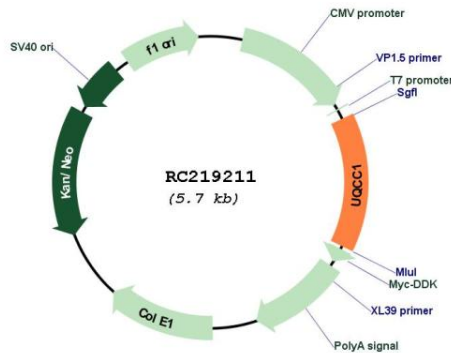
UniProt ID: [Q9NVA1](#)

Cytogenetics: 20q11.22

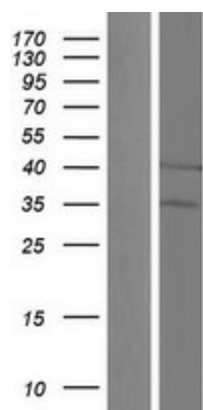
MW: 31.2 kDa

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 RC219211



Western blot validation of overexpression lysate (Cat# [LY404582]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC219211 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).