

Product datasheet for RC219157

UQCC (UQCC1) (NM_018244) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UQCC (UQCC1) (NM_018244) 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:	>RC219157 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGCGTTGCTGGTGCGAGTCCTTAGGAACCAGACTAGCATTCTCAGTGGGTTCCAGTATGCAGCCGAT
TGATACCTGTGTCTCTACCCAAGGACAGGGGGACAGGGCTGTCTCGCACTTCCCAGTGGCCCCAGAT
GAGCCAGTCCCAAGCATGTGGTGGATCAGAACAGATTCTGGAATAGACATACAGCTGAATAGGAAGTAT
CACACCACACGTAAGCTTTCTACTACCAAAGATCCCCACAGCCTGTTGAGGAGAAGTTGGTGCTTTCA
CAAAGATAATAGAAGCCATGGGATTCACGGGACCTTTGAAATACAGTAAATGGAAGATTAAGATTGCGGC
CCTGCGCATGTACTAGCTGTGTGGAGAAAAGTACTTCGAGGAATCTTTCTAAGGTGTAGATGCCT
GATACATTCAATTCATGTTTTCTATAACCCTACTCCACGCTGTGGATGTGTCTAGTCCGAATGAAGCAGG
AAGGCCGGAGTGGGAAGTACATGTGTCGTATCATAGTTCAATTTATGTGGGAGGATGTTTCAGCAGCGCGG
CAGAGTCATGGGGTTAATCCCTATATCCTGAAGAAGAACATGATCCTCATGACAAATCATTCTATGCA
GCGATCTTGGGATATGATGAGGGGATCCTTTAGATGATCATGGGCTGGCCGCTGCCCTCTGGAGAACCT
TCTTCAACCGGAAATGTGAAGACCCTCGACATCTGAAATGCTGGTAGAGTATGTGAGGAAACAGATACA
GTACCTGGACTCCATGAACGGGGAGGATCTGCTTCTGACAGGGGAGGTGAGCTGGCGCCCTCTAGTGGAG
AAGAATCTCAGAGCATCTGAAGCCCCATTCTCCGACTTACAACGACGAGGGACTT

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RC219157 protein sequence
Red=Cloning site Green=Tags(s)

MALLVRVLRNQTSSISQWVPVCSRLIPVSPTQGQGDRLSRTSQWPQMSQSQACGGSEQIPGIDIQLNRKY
 HTTRKLSSTKDSPQPVEEKVGAFTKIIIEAMGFTGPLKYSKWKIKIAALRMYTSCVEKTDFFEEFLRCOMP
 DTFNSWFLITLLHVWMLVRMKQEGRSKYMCRIVVHFMWEDVQQRGRVMGVNPNYILKKNMILMTNHFYA
 AILGYDEGILSDDHGLAAALWRTFFNRKCEDPRHLELLVEYVRKQIQYLDSMNGEDLLL TGEVSWRPLVE
 KNPQSILKPHSPTYNDEGL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6443_b05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018244

ORF Size: 897 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_018244.2](#)

RefSeq Size: 2461 bp

RefSeq ORF: 900 bp

Locus ID: 55245

UniProt ID: [Q9NVA1](#)

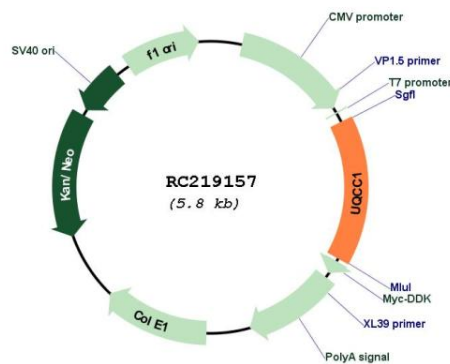
Cytogenetics: 20q11.22

Domains: Ubiq_cyt_C_chap

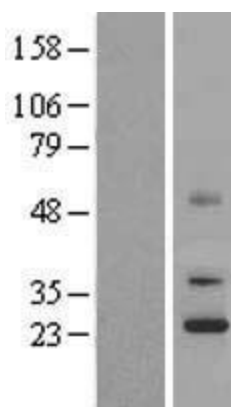
MW: 34.6 kDa

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 RC219157



Western blot validation of overexpression lysate (Cat# [LY413185]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC219157 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).