

## Product datasheet for **RC202661**

### UFC1 (NM\_016406) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** UFC1 (NM\_016406) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** UFC1  
**Synonyms:** HSPC155; NEDSG  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC202661 representing NM\_016406  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGGATGAAGCCACGCGACGTGTTGTGTCTGAGATCCCGGTGCTGAAGACTAACGCCGACCCCGAG  
ATCGTGAGTTGTGGTGCAGCGACTGAAGGAGGAATATCAGTCCCTATCCGGTATGTGGAGAACAACA  
GAATGCTGACAACGATTGGTCCGACTGGAGTCCAACAAGGAAGGAAGTCCGGTGGTTGGAAAATGCTGG  
TATATCCATGACCTCCTGAAATATGAGTTTACATCGAGTTTACATTCTATCACATGCTCTACTACTG  
CCCCAGAAATTGCAGTTCCTGAGCTGGATGGAAAGACAGCAAAGATGTACAGGGGTGGCAAATATGCCT  
GACGGATCATTTCAAACCTTTGTGGCCAGGAATGTGCCAAATTTGGACTAGCTCATCTCATGGCTCTG  
GGCTGGGTCCATGGCTGGCAGTGGAAATCCCTGATCTGATTCAGAAGGGCGTATCCAACACAAAGAGA  
AATGCAACCAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC202661 representing NM\_016406  
Red=Cloning site Green=Tags(s)

MADEATRRVSEIPVLKTNAGPRDRELWVQRLKEEYQSLIRYVENNKNADNDWFRLESNKEGTRWFGKCW  
YIHDLLKYEFDIEFDIPITCPTTAPETIAVPELDGKTAKMYRGGKICLTDHFKPLWARNVPKFLAHLMLAL  
GLGPWLAVEIPDLIQKGVIQHKEKCNQ

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

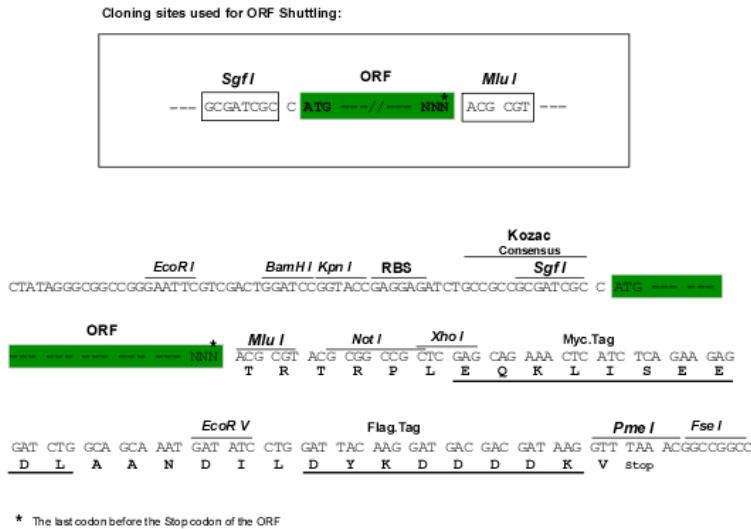
**Chromatograms:** [https://cdn.origene.com/chromatograms/mg2875\\_c11.zip](https://cdn.origene.com/chromatograms/mg2875_c11.zip)



[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_016406

ORF Size: 501 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.

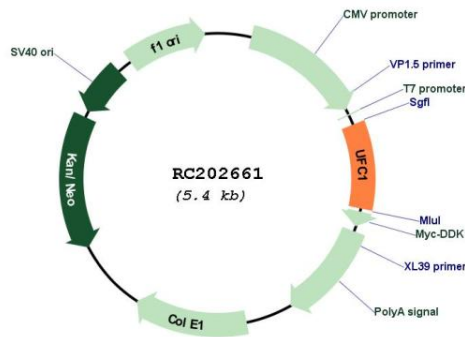
RefSeq: [NM\\_016406.4](#)

RefSeq Size: 1137 bp

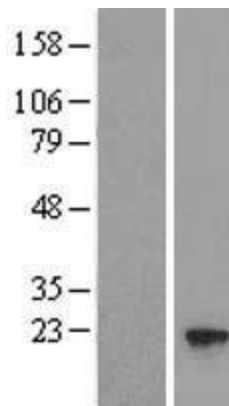
RefSeq ORF: 504 bp

**Locus ID:** 51506  
**UniProt ID:** [Q9Y3C8](#)  
**Cytogenetics:** 1q23.3  
**MW:** 19.3 kDa  
**Gene Summary:** UFC1 is an E2-like conjugating enzyme for ubiquitin-fold modifier-1 (UFM1; MIM 610553) (Komatsu et al., 2004 [PubMed 15071506]).[supplied by OMIM, Mar 2008]

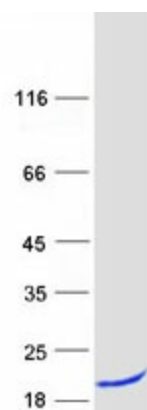
**Product images:**



Circular map for RC202661



Western blot validation of overexpression lysate (Cat# [LY414002]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202661 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified UFC1 protein (Cat# [TP302661]). The protein was produced from HEK293T cells transfected with UFC1 cDNA clone (Cat# RC202661) using MegaTran 2.0 (Cat# [TT210002]).