

## Product datasheet for **RC206941**

### **IQCF1 (NM\_152397) Human Tagged ORF Clone**

#### Product data:

Product Type: Expression Plasmids  
Product Name: IQCF1 (NM\_152397) Human Tagged ORF Clone  
Tag: Myc-DDK  
Symbol: IQCF1  
Mammalian Cell Selection: Neomycin  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
ORF Nucleotide Sequence: >RC206941 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGGAGAAGCAGCCCCAAAAGACGAAGGAACCCTCAAAGAAGATGAGCCTCAGCAGAAGGAGATGC  
CAACCCATTTGTCCTTAGGAGCAGAGTCAAAGGCAGAGGCTAAAACCTCCAGTTCTGGTTGAGACACAGAC  
AGTGGACAATGCCAATGAGAAATCAGAAAAACCCAGAAAACCAAAGAAGCTCTCGACAAAGATACG  
GTAGCCACCAAGATCAAGGCCTGGTGGCGGGCACCCCTGGTGCCTCGGGCACTGTTGCACGCAGCCCTCA  
GTCCTGCATCATTCAAGTCTGGTGGCGGCTGACTGTCCAAGATTCTGAAGAAGAGGGCGGCAGGCAGC  
GCTAGAGGCCTTCTCCCGAAGGAGTGGGCAGCAGTCACACTGCAGTCCCAGGCCGCATGTGGCGCATC  
CGCAGACGCTATTGCCAGGTGCTCAATGCTGTTTCGCATCATCCAGGCTTACTGGAGGTGCCGCTCTGTG  
CTTCCCGGGGTTTCATCAAGGGCCAGTACAGAGTCACAGCCAACCAGCTGCATCTCCAGCTGGAGATCTT  
GCTGGACTCAGGGCCTTGCAATTGTGACAGAGTGTATTCCCTTCTCAATAAAGGAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC206941 protein sequence  
Red=Cloning site Green=Tags(s)

MEEKQPQKTKEPSKEDEPQQKEMPTHLSLGAESKAEAKTPVLVETQTVDNANEKSEKPPENQKLSKDKT  
VATKIKAWWRGTLVRRALLHAALSACIIQCWRLILSKILKRRQAALFAFSRKEWAAVTLQSQARMWRI  
RRRYCQVLNAVRIIQAYWRCRSCASRGFIKGQYRVANQLHLQLEILLDSGPCIVTECIPFSIKE

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: [https://cdn.origene.com/chromatograms/mk6321\\_g01.zip](https://cdn.origene.com/chromatograms/mk6321_g01.zip)



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**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_152397

**ORF Size:** 615 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\\_152397.1](#), [NP\\_689610.1](#)

**RefSeq Size:** 745 bp

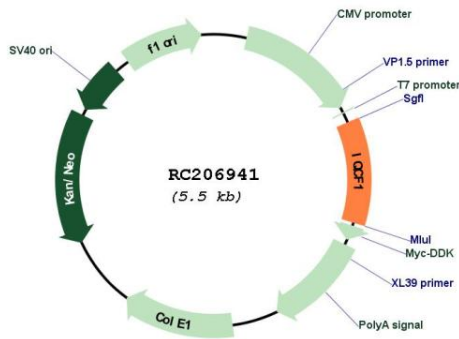
**RefSeq ORF:** 618 bp

**Locus ID:** 132141

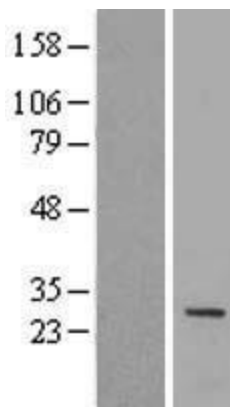
**UniProt ID:** [Q8N6M8](#)

**Cytogenetics:** 3p21.2  
**MW:** 23.7 kDa  
**Gene Summary:** Involved in sperm capacitation and acrosome reaction.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RC206941



Western blot validation of overexpression lysate (Cat# [LY407565]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206941 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).