

Product datasheet for **RG206941**

IQCF1 (NM_152397) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: IQCF1 (NM_152397) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: IQCF1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG206941 representing NM_152397
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGGAGAAGCAGCCCCAAAAGACGAAGGAACCCTCAAAGAAGATGAGCCTCAGCAGAAGGAGATGC
 CAACCCATTTGTCCTTAGGAGCAGAGTCAAAGGCAGAGGCTAAAACCTCCAGTTCTGGTTGAGACACAGAC
 AGTGGACAATGCCAATGAGAAATCAGAAAAACCCAGAAAACCAAAGAAGCTCTTGACAAAGATACG
 GTAGCCACCAAGATCAAGGCCTGGTGGCGGGCACCCCTGGTGCCTCGGGCACTGTTGCACGCAGCCCTCA
 GTGCCCTGCATCATTAGTGTGGTGGCGGCTGATCTGTCCAAGATTCTGAAGAAGAGGGCGGCAGGCAGC
 GCTAGAGGCCTTCTCCCGAAGGAGTGGGCAGCAGTCACACTGCAGTCCCAGGCCGCATGTGGCGCATC
 CGCAGACGCTATTGCCAGGTGCTCAATGCTGTTTCGCATCATCCAGGCTTACTGGAGGTGCCGCTCCTGTG
 CTTCCCGGGGTTTCATCAAGGGCCAGTACAGAGTCACAGCCAACCAGCTGCATCTCCAGCTGGAGATCTT
 GCTGGACTCAGGGCCTTGCAATTGTGACAGAGTGTATTCCCTTCTCAATAAAGGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG206941 representing NM_152397
 Red=Cloning site Green=Tags(s)

MEEKQPQKTKEPSKEDEPQQKEMPTHLSLGAESKAEAKTPVLVETQTVDNANEKSEKPPENQKLSDKDT
 VATKIKAWWRGTLVRRALLHAALSACIIQCWWRLILSKILKRRQAALAFSRKEWAAVTLQSQARMWRI
 RRRYQVNLNAVRIIQAYWRCRSCASRGFIKQYRV TANQLHLQLEILLDSGPCIVTECIPFSIKE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

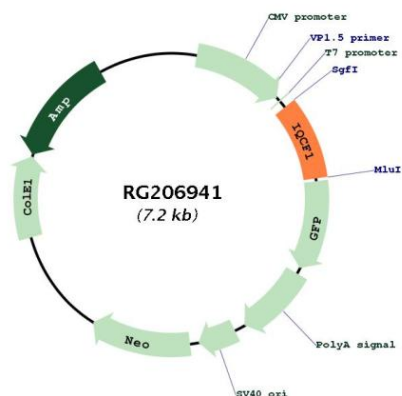
RefSeq: [NM_152397.1](#), [NP_689610.1](#)

RefSeq Size: 710 bp

RefSeq ORF: 618 bp

Locus ID: 132141
UniProt ID: [Q8N6M8](#)
Cytogenetics: 3p21.2
Gene Summary: Involved in sperm capacitation and acrosome reaction.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG206941