

## Product datasheet for **RC239144**

### **IQCE (NM\_001287501) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	IQCE (NM_001287501) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	IQCE
Synonyms:	1700028P05Rik; PAPA7
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RC239144 representing NM\_001287501  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCCTCTGGCGGCCGAGCGTCCCTGACCCCGCAGAAGCTGTGGCTGGGAACCGCAAAGCCAGGAAGTC  
 TGACCCAGGCCCTGAACTCACCCCTCACCTGGGAGCATGCGTGGACTGGCGTCCCGGCGGCACTCCTGA  
 CTGTCTGACAGACACCTTACAGAGTGAAGAGGCCACATCTCAGGCGCTCTGCCAGCAACGGTCATGTCCCT  
 GGGACTCCTGTCTACAGAGAAAAAGAAGATATGTATGACGAGATTATTGAGTTAAAGAAGTCATTGCACG  
 TGCAGAAGAGCGACGTGGACCTGATGAGAACGAAGCTCCGGCGCCTGGAGGAGGAAAAACAGCAGGAAGGA  
 CCGGCAGATAGAGCAGCTCCTGGATCCCAGCCGCGGCACGGATTTTGTTCGGACTCTGCCAGAGAAAAGG  
 CCCGATGCCAGTTGGGTCAATACGGGCTGAAGCAGAGGATCCTGAAGCTGGAACAGCAGTGAAGGAGA  
 AGGACGGCACCATCAGCAAACCTCAGACCGATATGAAGACTACCAACCTGGAAGAGATGCGGATCGCCAT  
 GGAGACATACTACGAGGAGGTGCATCGTCTCCAGACCCTTTGGCAAGTCTGAAACCACCGGAAAGAAG  
 CCCTGGGGGAGAAGAAGACGGGCGCCAAAAGGCAGAAGAAGATGGGCAGTGCCCTCCTGAGCTTGTC  
 GGAGTGTCCAGGAGCTCACGGAAGAGAACCAGAGCCTGAAGGAGGACCTGGACCGCGTGTGAGCACCTC  
 CCCAACCATCTCCAAGACACAGGGTTATGTGGAGTGGAGCAAGCCCCGGCTGCTGAGGCGCATTGTGGAG  
 CTGGAGAAGAACTAAGTGTGATGGAGAGCTCAAATCACACGCCGACAGCCAGTCAAGTACACCCCGC  
 CAGCCTGCCTTGCATCCAGCTCTGCGTGCACAGACAGCCACGAGGGGACCGCAACAAGGACCACGAGCG  
 TCTCCGAGGGGCTGTGAGAGACCTGAAGGAAGAGCGGACCGCGCTGCAGGAGCAGCTGCTGCAGAGAGAT  
 TTGGAGGTGAAGCAGCTCCTGCAGGCGAAGGCCACCTGGAGAAGGAGCTGGAGTGCAGGAGGGGCGG  
 AGGAGGAGAGAGAGAGCGAGAGGAGGTTTGGAGAGGAGATTACAGACTTACCAGCAAGCTCCAAGA  
 ATTGCAAGAAATGAAGAAAGAAGAGAAAGAGGATTGCCCGGAAGTTCCTCATAAGGCCCAAGAGTCCCA  
 GCTCCCACTCCCAGCAGCAGGCACTGCGAGCAAGACTGGCCGCGGATTCCAGCAGGAGGGGCTCCCGC  
 GGCCCCGCTCCCCTGCTCTGATGGGAGAAGAGACGCCGCGGCCAGAGTCTGCAGGCCAGTGGAAAGGT  
 GTACAAGCACAAGAAAAAAGGCTGTTCTGGATGAGGCGGCTGTGGTCTCAGGCAGCTTTCAGGGGA  
 CATCTCACGCGGACAAAGCTCTTAGCAAGCAAAGCACATGGCTCAGAGCCACCCAGCGTGCAGGCCCTCC  
 CAGACCAGAGCTCCTGTGCCCGGCTCCGAGCCCCATCGCCAGGCCACGGGACGCCCTGTGCAGGA  
 GGAGGCCATCGTCATCATCCAGTCCGCTCTGCGGGCACACCTGGCCCGGGCCAGGCACAGTGTACCGGT  
 AAAAGAACCACCACCGCAGCTTCTACCAGGAGGAGATCGGCTTACGCCACACCGGGGACGCTCCTCCC  
 CACCCTTCTCGAGCTTCTCTGACCCCTCTCCCTCAGGGCCACAGGCCTTGGCACCTCTACCTGGGGA  
 TGACGTCAACTCCGATGATTCCGACGATATTGTCATTGCACCGTCTCTGCCACGAAGAAGCTTCCAGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC239144 representing NM\_001287501  
 Red=Cloning site Green=Tags(s)

MPLGGRASLTPQKLWLGTAKPGSLTQALNSPLTWEHAWTGVPGGTPDCLTDTFRVKRPHLRRSASNGHVP  
 GTPVYREKEDMYDEIIEIKKSLHVQKSDVDLMRTKLRRLEENSRKDRQIEQLLDPSRGTDFVRTLAEKR  
 PDASWVINGLKQRILKLEQQCKEKDGTISKLQTDKTTNLEEMRIAMETYYEEVHRLQTLASSETTGKK  
 PLGEKKTGAKRQKKMGSALLSLRSVQELTEENQSLKEDLDRVLSTPTISKTGQYVWSPKRLRRIVE  
 LEKKL SVMESSKSHAAEPVRSHPPACLASSALHRQPRGDRNKDHERLRGAVRDLKEERTALQEQLLQRD  
 LEVKQLLQAKADLEKELECAREGEEERREREVLEEEIQTLT SKLQELQEMKKEEKEDCPEVPHKAQELP  
 APTPSSRHCEQDWPDSSEGLPRPRSPCSDGRRDAAARVLQAQWKVYKHKKKKAVLDEAAVVLQAAFRRG  
 HLTRTKLLASKAHGSEPPSVPGLPDQSSPVPRVPSPIAQATGSPVQEEAIVIIQSALRAHLARARHSATG  
 KRITTAASTRRRSASATHGDASSPPFLAALPDPSPSGPQALAPLPGDDVNSDDSDDIVIAPSLPTKNFPV

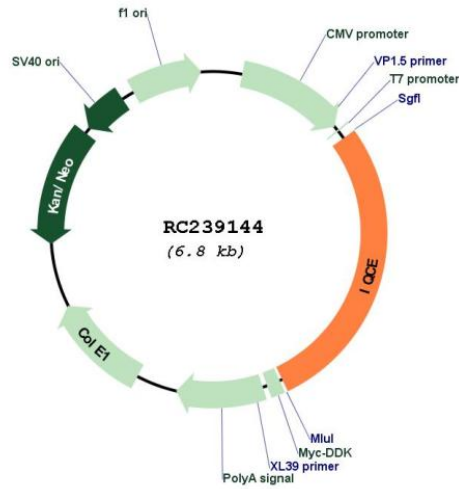
**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001287501

ORF Size: 1890 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_001287501.1</a> , <a href="#">NP_001274430.1</a>
<b>RefSeq Size:</b>	6793 bp
<b>RefSeq ORF:</b>	1893 bp
<b>Locus ID:</b>	23288
<b>UniProt ID:</b>	<a href="#">Q6IPM2</a>
<b>Cytogenetics:</b>	7p22.3
<b>MW:</b>	70.7 kDa
<b>Gene Summary:</b>	Component of the EvC complex that positively regulates ciliary Hedgehog (Hh) signaling (By similarity). Required for proper limb morphogenesis (PubMed:28488682).[UniProtKB/Swiss-Prot Function]