

Product datasheet for **RC239172**

IQCE (NM_001287502) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IQCE (NM_001287502) 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



[View online »](#)

ORF Nucleotide
Sequence:

>RC239172 representing NM_001287502
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCCTCTGGCGGCCGAGCGTCCCTGACCCCGCAGAAGCTGTGGCTGGGAACCGCAAAGCCAGGAAGTC
TGACCCAGGCCCTGAACTCACCCCTCACCTGGGAGCATGCGTGGACTGGCGTCCCGGCGGCACTCCTGA
CTGTCTGACAGACACCTTCAGAGTGAAGAGGCCACATCTCAGGCGCTCTGCCAGCAACGGTCATGTCCCT
GGGACTCCTGTCTACAGAGAAAAAGAAGATATGTATGACGAGATTATTGAGTTAAAGAAGTCATTGCACG
TGCAGAAGAGCGACGTGGACCTGATGAGAACGAAGCTCCGGCGCCTGGAGGAGGAAAAACAGCAGGAAGGA
CCGGCAGATAGAGCAGCTCCTGGATCCCAGCCGCGGCACGGATTTTGTTCGGACTCTGCCAGAGAAAAGG
CCCAGTCCAGTTGGGTCATTACGGGCTGAAGCAGAGGATCCTGAAGCTGGAACAGCAGTGAAGGAGA
AGGACGGCACCATCAGCAAACCTCAGACCGATATGAAGACTACCAACCTGGAAGAGATCGGATCGCCAT
GGAGACATACTACGAGGAGGTGCATCGTCTCCAGACCCTTTGGCAAGTCTGAAACCACCGGAAAGAAG
CCCTGGGGGAGAAGAAGACGGGCGCCAAAAGGCAGAAGAAGATGGGCAGTGCCTCCTGAGCTTGTCCTC
GGAGTGTCCAGGAGCTCACGGAAGAGAACCAGAGCCTGAAGGAGGACCTGGACCGCGTGTGAGCACCTC
CCCAACCATCTCCAAGACACAGGGTTATGTGGAGTGGAGCAAGCCCCGGCTGCTGAGGCGCATTGTGGAG
CTGGAGAAGAAATAAGTGTGATGGAGAGCTCAAATCACACGCCGACAGCCAGTCCAGATCACACCCGC
CAGCCTGCCTTGCATCCAGCTCTGCGCTGCACAGACAGCCACGAGGGGACCGCAACAAGGACCACGAGCG
TCTCCGAGGGGCTGTGAGAGACCTGAAGGAAGAGCGGACCGCGCTGCAGGAGCAGCTGCTGCAGAGAGAT
TTGGAGGTGAAGCAGCTCCTGCAGGCGAAGGCCACCTGGAGAAGGAGCTGGAGTCCGCGAGGGAGGGCG
AGGAGGAGAGAGAGAGCGAGAGGAGGTTTTGAGAGAGGAGATTACAGACTTACCAGCAAGCTCCAAGA
ATTGCAAGAAATGAAGAAAGAAGAGAAAGAGGATTGCCCGGAAGTTCCTCATAAGGCCCAAGAGCTCCCA
GCTCCCACTCCCAGCAGCAGGCACTGCGAGCAAGACTGGCCGCGGATTCCAGCGAGGAGGGGCTCCCGC
GGCCCCGCTCCCCCTGCTCTGATGGGAGAAGAGACGCCGCGGCCAGAGTCTGCAGGCCAGTGGAAAGGT
GTACAAGCACAAGAAAAAAGGCTGTTCTGGATGAGGCGGTGTGGTCTTCAGGCAGCTTTCAGGGGA
CATCTCACGCGGACAAAGCTCTTAGCAAGCAAAGCACATGGCTCAGAGCCACCCAGCGTCCAGGCCCTCC
CAGACCAGAGCTCCTGTGCCCGCTCCGAGCCCCATCGCCAGGCCACGGGACGCCCTGTGCAGGA
GGAGGCCATCGTCATCATCCAGTCCGCTCTGCGGGCACACCTGGCCCGGGCCAGGCACAGTGTACCGGT
AAAAGAACCACCACCGCAGCTTCTACCAGGAGGAGATCGGCTTACGCCACACCGGGGACGCTCCTCCC
CACCCTTCTCGCAGCTTCTCCTGGTAATTTTCATTCATTTGGATTCTGGCACCAGGGCAGCTGGTCTGCT
GAGGTCTCAGCCAAGAGTGGCCACCTCCAGGAAGCCCGGCTGTGTCCGGACGGAAGGGAGGAGTGTCC
CATCTGGAGCTGCCTCTGAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC239172 representing NM_001287502
 Red=Cloning site Green=Tags(s)

MPLGGRASLTPQKLWLTAKPGSLTQALNSPLTWEHAWTGVPGGTPDCLTDTFRVKRPHLRRSASNGHVP
 GTPVYREKEDMYDEIIECLKSLHVQKSDVDLMRTKLRRLEEENSRKDRQIEQLLDPSRGTDVVRTLAEKR
 PDASWVINGLKQRILKLEQQCKEKDGTISKLQTDKMTTNLEEMRIAMETYYEEVHRLQTLASSETTGKK
 PLGEKKTGAKRQKKMGSALLSLRSVQELTEENQSLKEDLDRVLTSTPTISKTKQYVWSPRLLRRIVE
 LEKKLSVMESSKSHAAEPVRSHPPACLASSALHRQPRGDRNKDHERLRGAVRDLKEERTALQEQLLQRD
 LEVKQLLQAKADLEKELECAREGEEERREREVLRREEIQTLTSLKQELQEMKKEEKEDCPEVPHKAQELP
 APTSSRHCEQDWPDSSEEGLRPRRSPCDGRRDAAARVLQAQWKVYKHKKKKAVLDEAAVVLQAQFRG
 HLTRTKLLASKAHGSEPPSVPLPDQSSPVPSPVPIAQATGSPVQEEAIVIIQSALRAHLARARHSATG
 KRRTTAASRRRSASATHGDASSPPFLAALPGNF IHLDSGTRAAGLLRSQPKSGHLQEARAVSGRKGGS
 HLELPLN

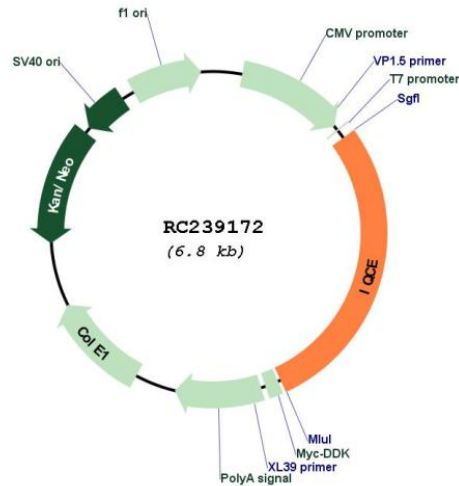
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001287502

ORF Size: 1911 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_001287502.2](#)

RefSeq Size: 2420 bp

RefSeq ORF: 1914 bp

Locus ID: 23288

Cytogenetics: 7p22.3

MW: 71.6 kDa

Gene Summary: 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]