

Product datasheet for **RC239354**

IQCE (NM_001287499) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IQCE (NM_001287499) 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:

>RC239354 representing NM_001287499
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTTCTGGGCACCGGGAGCCGGCCTTGGACACGGGAGATGACAGTCTGTCTGCAGTCACCTTTGACT
CTGATGTGGAGACGAAAGCAAAAAGGAAAGCTTTCCACAAACCTCCACCCACATCGCCAAAGTCACCTTA
TCTCTCTAAGCCGAGAAAAGTGGCCTCCTGGAGGTCCCTCAGGACGGCAGGGAGCATGCCTCTGGGCGGC
CGAGCGTCCCTGACCCCGCAGAAGCTGTGGCTGGGAACCGCAAAGCCAGGAAGTCTGACCCAGGCCCTGA
ACTCACCCCTCACCTGGGAGCATGCGTGGACTGGCGTCCCGGGCGGCACTCCTGACTGTCTGACAGACAC
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AGAGAAAAAGAAGATATGTATGACGAGATTATTGAGTTAAGAAGTCATTGCACGTGCAGAAGAGCGACG
TGGACCTGATGAGAACGAAGCTCCGCGCCTGGAGGAGGAAAACAGCAGGAAGGACCGGCAGATAGAGCA
GCTCCTGGATCCCAGCCGCGCACGGATTTTGTTCGGACTCTGGCAGAGAAAAGGCCGATGCCAGTTGG
GTCAATTAACGGGCTGAAGCAGAGGATCCTGAAGCTGGAACAGCAGTGAAGGAGAAGGACGGCACCATCA
GAAACTCCAGACCGATATGAAGACTACCAACCTGGAAGAGATGCGGATCGCCATGGAGACATACTACGA
GGAGGTGCATCGTCTCCAGACCTCTTGGAAGTTCTGAAACCACCGAAAGAAGCCCTGGGGGAGAAG
AAGACGGGCGCCAAAAGGCAGAAGAAGATGGGCAGTGCCTCCTGAGCTTGTCCCGGAGTGTCCAGGAGC
TCACGGAAGAGAACCAGAGCCTGAAGGAGGACCTGGACCGGTGCTGAGCACCTCCCAACCATCTCAA
GACACAGGGTTATGTGGAGTGGAGCAAGCCCGGCTGCTGAGGCGCATTGTGGAGCTGGAGAAGAACTA
AGTGTGATGGAGAGCTCAAAATCACACGCCGACAGGCCAGTCAAGTACACCCGCCAGCCTGCCTTGAT
CCAGCTCTGCGCTGCACAGACAGCCACGAGGGGACCGCAACAAGGACCACGAGCGTCTCCGAGGGGCTGT
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CATCCAGTCCGCTCTGCGGGCACACCTGGCCCGGGCCAGGCACAGTGTACCGGTAAAAGAACCACCACC
GCAGCTTCTACCAGGAGGAGATCGGCTTCAGCCACACAGGGGACGCCTCCTCCCAACCCTTCTCGCAG
CTCTTCTGGTAATTTCAATTTGGATTCTGGCACCAGGGCAGCTGGTCTGCTGAGGTCTCAGCCAAA
GAGTGGCCACCTCCAGGAAGCCCGGCTGTGTCCGGACGGAAGGGAGGAGTGTCCATCTGGAGTGCCT
CTGAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC239354 representing NM_001287499
 Red=Cloning site Green=Tags(s)

MFLGTGEPALDTGDDSLSAVTFDSVETKAKRKAFFHKPPPTSPKSPYL SKPRKVASWRSLRTAGSMPLGG
 RASLTPQKLWLGTAKPGSLTQALNSPLTWEHAWTGVPGGTPDCLTDTFRVKRPHLRRSASNGHVPGTPVY
 REKEDMYDEIIELKKSLSLVQKSDVDLMRTKLRRLEEENSRKDRQIEQLLDPSRGTDVVRTLAEKRPDASW
 VINGLKQRILKLEQQCKEKDGTISKLQTDKMTTNLEEMRIAMETYYEEVHRLQTLASSETTGKKPLGK
 KTGAKRQKKMGSALLSLRSVQELTEENQSLKEDLDRVLSTPTISKTQGYVEWSKPRLLRRIVELEKLL
 SVMESSKSHAAEPVRSHPPACLASSALHRQPRGRNKHDLRGAVRDLKEERTALQEQLLQRDLEVKQ
 LLQAKADLEKELEECAREGEEERREREVLEEEIQTLTSLKQELQEMKKEEKEDCEVPHKAQELPAPTPS
 SRHCEQDWPPDSSEGLPRRSPCSDGRRDAAARVLQAQWKVYKHKKKKAVLDEAAVVLQA AFRGHLTRT
 KLLASKAHGSEPPSPVGLPDQSSPVPVPSPIAQATGSPVQEEAIVIIQSALRAHLARARHSATGKRTTT
 AASTRRRSASATHGDASSPPFLAALPGNFIHLDSGTRAAGLLRSQPKSGHLQEARAVSGRKGVSHELEP
 LN

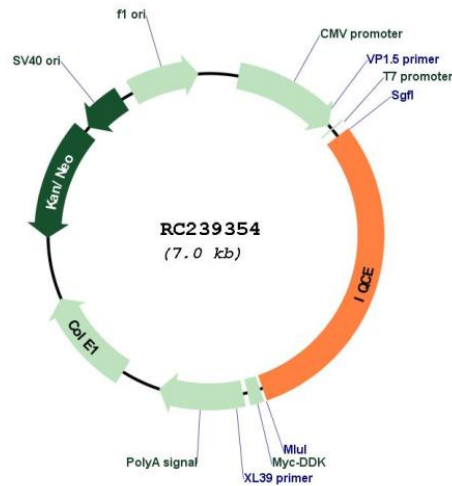
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001287499

ORF Size: 2106 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_001287499.2](#)

RefSeq Size: 2514 bp

RefSeq ORF: 2109 bp

Locus ID:	23288
Cytogenetics:	7p22.3
MW:	78.6 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]