

## Product datasheet for **SC337066**

### **IQCE (NM\_001287502) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	IQCE (NM_001287502) Human Untagged Clone
Tag:	Tag Free
Symbol:	IQCE
Synonyms:	1700028P05Rik; PAPA7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >SC337066 representing NM\_001287502.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGCCTCTGGGCGGCCGAGCGTCCCTGACCCCGCAGAAGCTGTGGCTGGGAACCGCAAAGCCAGGAAGT
CTGACCCAGGCCCTGAACCTCACCCCTCACCTGGGAGCATGCGTGGACTGGCGTCCCCGGCGCACTCCT
GACTGTCTGACAGACACCTTCAGAGTGAAGAGGCCACATCTCAGGCGCTCTGCCAGCAACGGTCATGTC
CCTGGGACTCCTGTCTACAGAGAAAAAGAGATATGTATGACGAGATTATTGAGTTAAAGAGTCATTG
CACGTGCAGAAGAGCGACGTGGACCTGATGAGAACGAAGCTCCGGCGCCTGGAGGAGAAAAACAGCAGG
AAGGACCGGCAGATAGAGCAGCTCCTGGATCCCAGCCGCGGCACGGATTTTGTTCGGACTCTGCCAGAG
AAAAGGCCGATGCCAGTTGGGTCATTAACGGGCTGAAGCAGAGGATCCTGAAGCTGGAACAGCAGTGC
AAGGAGAAGGACGGCACCATCAGCAAATCCAGACCGATATGAAGACTACCAACCTGGAAGAGATGCGG
ATCGCCATGGAGACATACTACGAGGAGTGCATCGTCTCCAGACCCTCTGGCAAGTTCTGAAACCACC
GGAAAGAAGCCCCTGGGGGAGAAGAAGACGGGCGCAAAAAGGCAGAAGAAGATGGGCAGTGCCCTCCTG
AGCTTGTCCCGGAGTGTCCAGGAGCTCACGGAAGAGAACCAGAGCCTGAAGGAGGACCTGGACCCGGTG
CTGAGCACCTCCCAACCATCTCCAAGACACAGGGTTATGTGGAGTGGAGCAAGCCCCGGCTGCTGAGG
CGCATTGTGGAGCTGGAGAAGAACTAAGTGTGATGGAGAGCTCAAAATCACACGCCGACAGCCAGTC
AGATCACACCCGCGACCTGCCTTGATCCAGCTCTGCGTGCACAGACAGCCACGAGGGGACCGCAAC
AAGGACCACGAGCGTCTCCGAGGGGCTGTGAGAGACCTGAAGGAAGAGCGGACCGCGCTGCAGGAGCAG
CTGCTGCAGAGAGATTTGGAGGTGAAGCAGCTCCTGCAGGCGAAGGCCGACCTGGAGAAGGAGCTGGAG
TGCCGAGGGAGGGCGAGGAGGAGAGAGCGAGAGGAGGTTTTGAGAGAGGAGATTCAGACACTT
ACCAGCAAGCTCCAAGAATTGCAAGAAATGAAGAAAGAAGAGAAAGAGGATTGCCCGGAAGTTCCCTCAT
AAGGCCCAAGAGCTCCCAGCTCCCAGTCCCAGCAGCAGGCACTGCGAGCAAGACTGGCCGCGGATTCC
AGCGAGGAGGGGCTCCCGCGGCCCGCTCCCCCTGCTCTGATGGGAGAAGAGACGCCGCGCCAGAGTC
CTGCAGGCCAGTGGAAGGTGTACAAGCACAAGAAAAAAGGCTGTTCTGGATGAGCGGCTGTGGTG
CTTCAGGCAGCTTTCAGGGGACATCTCACGCGGACAAAGCTTTAGCAAGCAAAGCACATGGCTCAGAG
CCACCCAGCGTGCAGGCCTCCCAGACCAGAGCTCTCCTGTGCCCGCGTTCCGAGCCCCATCGCCCAG
GCCACGGGCAGCCCTGTGCAGGAGGAGGCCATCGTCATCATCCAGTCCGCTCTGCGGGCACACCTGGCC
CGGGCCAGGCACAGTGTACCGTAAAAGAACCACCACCGCAGCTTCTACCAGGAGGAGATCGGCTTCA
GCCACACAGGGGACGCCTCCTCCCACCCTTCTCGCAGCTTCTCCTGGTAATTTCAATTCATTTGGAT
TCTGGCACAGGGCAGCTGGTCTGCTGAGGTCTCAGCAAAGAGTGGCCACCTCCAGGAAGCCCGGGCT
GTGTCCGGACGGAAGGGAGGAGTGTCCATCTGGAGCTGCCTCTGAACTA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
  
```

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001287502

**Insert Size:** 1914 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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\\_001287502.1](#)

**RefSeq Size:** 2420 bp

**RefSeq ORF:** 1914 bp

**Locus ID:** 23288

**Cytogenetics:** 7p22.3

**MW:** 71.2 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]

Transcript Variant: This variant (6) lacks two alternate exons in the 5' coding region, initiates translation at a downstream in-frame start codon, and contains an alternate 3' terminal exon and it thus differs in the 3' coding region and 3' UTR, compared to variant 1. The encoded isoform (6) is shorter at the N-terminus and has a distinct C-terminus, compared to isoform 1.