

Product datasheet for **SC337038**

IQCE (NM_001287501) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IQCE (NM_001287501) 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: >SC337038 representing NM_001287501.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGCCTCTGGGCGGCCGAGCGTCCCTGACCCCGCAGAAGCTGTGGCTGGGAACCGCAAAGCCAGGAAGT
CTGACCCAGGCCCTGAACCTCACCCCTCACCTGGGAGCATGCGTGGACTGGCGTCCCCGGCGGCACTCCT
GACTGTCTGACAGACACCTTCAGAGTGAAGAGGCCACATCTCAGGCGCTCTGCCAGCAACGGTCATGTC
CCTGGGACTCCTGTCTACAGAGAAAAAGAGATATGTATGACGAGATTATTGAGTTAAAGAGTCATTG
CACGTGCAGAAGAGCGACGTGGACCTGATGAGAACGAAGCTCCGGCGCCTGGAGGAGAAAAACAGCAGG
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AAAAGGCCGATGCCAGTTGGGTCATTAACGGGCTGAAGCAGAGGATCCTGAAGCTGGAACAGCAGTGC
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GGAAAGAAGCCCCTGGGGGAGAAGAAGACGGGCGCCAAAAGGCAGAAGAAGATGGGCAGTGCCCTCCTG
AGCTTGTCCCGGAGTGTCCAGGAGCTCACGGAAGAGAACCAGAGCCTGAAGGAGGACCTGGACCGGTG
CTGAGCACCTCCCAACCATCTCCAAGACACAGGGTTATGTGGAGTGGAGCAAGCCCCGGCTGCTGAGG
CGCATTGTGGAGCTGGAGAAGAACTAAGTGTGATGGAGAGCTCAAAATCACACGCCGAGAGCCAGTC
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CTGCTGCAGAGAGATTTGGAGGTGAAGCAGCTCCTGCAGGCGAAGGCCGACCTGGAGAAGGAGCTGGAG
TGCCGAGGGAGGGCGAGGAGGAGAGAGCGAGAGGAGGTTTTGAGAGAGGAGATTCAGACACTT
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AGCGAGGAGGGGCTCCCGCGGCCCGCTCCCCCTGCTCTGATGGGAGAAGAGACGCCGCGCCAGAGTC
CTGCAAGCCAGTGGAAGGTGTACAAGCACAAGAAAAAAGGCTGTTCTGGATGAGCGGCTGTGGTG
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GCCACGGGCAGCCCTGTGCAGGAGGAGGCCATCGTCATCATCCAGTCCGCTCTGCGGGCACACCTGGCC
CGGGCCAGGCACAGTGTACCGTAAAAGAACCACCACCGCAGCTTCTACCAGGAGGAGATCGGCTTCA
GCCACACAGGGGACGCCTCCTCCCACCCTTCTCGCAGCTTCTCCTGACCCCTCTCCCTCAGGGCCA
CAGGCCTTGGCACCTCTACCTGGGGATGACGTCAACTCCGATGATTCCGACGATATTGTCATTGCACCG
TCTCTGCCACGAAGAACTTTCCAGTTTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001287501

Insert Size: 1893 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_001287501.1](#)

RefSeq Size: 6793 bp

RefSeq ORF: 1893 bp

Locus ID: 23288

UniProt ID: [Q6IPM2](#)

Cytogenetics: 7p22.3

MW: 70.3 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 (5) lacks two alternate exons in the 5' coding region and initiates translation at a downstream in-frame start codon, compared to variant 1. The encoded isoform (5) is shorter at the N-terminus, compared to isoform 1.