

Product datasheet for **SC306441**

IQCE (NM_152558) Human Untagged Clone

Product data:

| | |
|---------------------------|---------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | IQCE (NM_152558) 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: >SC306441 representing NM_152558.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGTTCTGGGCACCGGGGAGCCGGCCTTGGACACGGGAGATGACAGTCTGTCTGCAGTCACCTTTGAC
TCTGATGTGGAGACGAAAGCAAAAAGGAAAGCTTCCACAAACCTCCACCCACATCGCCAAAGTCACCT
TATCTCTCTAAGCCGAGAAAAGTGGCCTCCTGGAGGTCCCTCAGGACGGCAGGGAGCATGCCTCTGGGC
GGCCGAGCGTCCCTGACCCCGCAGAAGCTGTGGCTGGAAACCGCAAAGCCAGGAAGTCTGACCCAGGCC
CTGAACCTACCCCTCACCTGGGAGCATGCGTGGACTGGCGTCCCGGGCGGCACTCCTGACTGTCTGACA
GACACCTTCAGAGTGAAGAGGCCACATCTCAGGCGCTCTGCCAGCAACGGTCATGTCCCTGGGACTCCT
GTCTACAGAGAAAAGAAGATATGTATGACGAGATTATTGAGTTAAAGAAGTCATTGCACGTGCAGAAG
AGCGACGTGGACCTGATGAGAACGAAGTCCGGCGCCTGGAGGAGAAAACAGCAGGAAGGACCGGCAG
ATAGAGCAGCTCCTGGATCCCAGCCGGCACGGATTTTGTTCGACTCTGGCAGAGAAAAGGCCCGAT
GCCAGTTGGGTCAATTAACGGGCTGAAGCAGAGGATCCTGAAGCTGGAACAGCAGTCAAGGAGAAGGAC
GGCACCATCAGCAAACTCCAGACCGATATGAAGACTACCAACCTGGAAGAGATGCGGATCGCCATGGAG
ACATACTACGAGGAGGTGCATCGTCTCCAGACCCTCTTGCAAGTTCTGAAACCACCGAAAAGAAGCCC
CTGGGGGAGAAGAAGACGGGCGCAAAAAGGCAGAAGAAGATGGGCAGTGCCTCCTGAGCTTGTCGGG
AGTGTCCAGGAGCTCACGGAAGAGAACCAGAGCCTGAAGGAGGACCTGGACCGCGTGCTGAGCACCTCC
CCAACCATCTCCAAGACACAGGGTTATGTGGAGTGGAGCAAGCCCGGCTGCTGAGGCGCATTGTGGAG
CTGGAGAAGAACTAAGTGTGATGGAGAGCTCAAATCACACGCCGACAGCCAGTCAGATCACACCCG
CCAGCCTGCCTTGATCCAGCTTGCCTGCACAGACAGCCAGGGGACCGCAACAAGGACCAGGAG
CGTCTCCGAGGGGCTGTGAGAGACCTGAAGGAAGAGCGGACCGGCTGCTGAGGAGCAGTGTGCAGAGA
GATTTGGAGGTGAAGCAGCTCCTGCAGGCGAAGGCCGACCTGGAGAAGGAGCTGGAGTGCAGGAGGAG
GGCAGGAGGAGAGGAGAGCGAGAGGAGTTTTGAGAGAGGAGATTACGACACTTACCAGCAAGCTC
CAAGAATTGCAAGAAATGAAGAAAGAAGAGAAAGAGGATTGCCCGGAAGTTCTCATAAGGCCCAAGAG
CTCCCAGCTCCCCTCCCAGCAGCAGGCACTGCGAGCAAGACTGGCCGCCGATTCCAGCAGGAGGGG
CTCCCGGGCCCCGCTCCCCCTGCTCTGATGGGAGAAGAGACGCCGGCCAGAGTCTGCAGGCCAG
TGAAGGTGTACAAGCACAAGAAAAAAGGCTGTTCTGGATGAGGCGGCTGTGGTGCTTACGGCAGCT
TTCAGGGGACATCTCACGCGACAAAGCTTTAGCAAGCAAAGCACATGGCTCAGAGCCACCCAGCGTG
CCAGGCCTCCCAGACCAGAGCTCCTGTGCCCGCGTTCCGAGCCCATCGCCAGGCCACGGGCAGC
CCTGTGCAGGAGGAGGCCATCGTCATCATCCAGTCCGCTCTGCGGGCACACCTGGCCCGGGCCAGGCAC
AGTGCTACCGGTAAAAGAACCACCACCGCAGCTTCTACCAGGAGGAGATCGGCTTACGCCACACGGG
GACGCCTCCTCCCACCTTCTCTCGAGCTTCTCTGACCCCTCTCCCTCAGGGCCACAGGCCTTGGCA
CCTCTACTGGGGATGACGTCAACTCCGATGATCCGACGATATTGTCATTGCACCGTCTCTGCCACG
AAGAACTTCCAGTTTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI
ACCN: NM_152558
Insert Size: 2088 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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 TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_152558.4](#)

RefSeq Size: 6887 bp

RefSeq ORF: 2088 bp

Locus ID: 23288

UniProt ID: [Q6IPM2](#)

Cytogenetics: 7p22.3

MW: 77.3 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 (1) represents the longest transcript and encodes isoform 1.