

Product datasheet for **SC316819**

IQCE (NM_001100390) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IQCE (NM_001100390) Human Untagged Clone
Tag:	Tag Free
Symbol:	IQCE
Synonyms:	1700028P05Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC316819 representing NM_001100390.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGTTCTGGGCACCGGGAGCCGGCCTTGGACACGAAAGCAAAAAGGAAAGCTTCCACAAACCTCCA
CCCACATCGCCAAAGTCACCTTATCTCTAAGCCGAGAAAAGTGGCCTCCTGGAGTCCCTCAGGACG
GCAGGGAGCATGCCTCTGGGCGGCCGAGCGTCCCTGACCCCGCAGAAGCTGTGGCTGGAAACCGCAAAG
CCAGGAAGTCTGACCCAGGCCCTGAACTCACCCCTCACCTGGGAGCATGCGTGGACTGGCGTCCCGGC
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CAGCAGTCAAGGAGAAGGACCGCACCATCAGCAAACCTCAGACCGATATGAAGACTACCAACCTGGAA
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GAAACCACCGAAAGAAGCCCTGGGGGAGAAGAAGACGGGCGCCAAAAGGCAGAAGAAGATGGGCAGT
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ATCGCCCAGGCCACGGGACGCCCTGTGCAGGAGGAGCCATCGTCATCATCCAGTCCGCTCTGCGGGCA
CACCTGGCCCGGCCAGGCACAGTGCTACCGGTAAAAGAACCACCACCGAGCTTCTACCAGGAGGAGA
TCGGCTTACGCCACACACGGGGACGCCTCCTCCCAACCTTCTCGCAGCTTCTCCTGACCCCTCTCC
TCAGGGCCACAGGCCCTGGCACCTTACCTGGGATGACGTCAACTCCGATGATTCCGACGATATTGTC
ATTGCACCGTCTCTGCCACGAAGAAGTTCCAGTTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

Plasmid Map:

ACCN: NM_001100390

Insert Size: 2040 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).

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:	<ol style="list-style-type: none">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:	<u>NM_001100390.1</u>
RefSeq Size:	6813 bp
RefSeq ORF:	2040 bp
Locus ID:	23288
Cytogenetics:	7p22.3
MW:	75.7 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon in the 5' coding region, compared to variant 1, resulting in a shorter protein (isoform 2), compared to isoform 1.</p>