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Product datasheet for SC337248

IQCE (NM_001287499) Human Untagged Clone

Product data:

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

Fully Sequenced ORF:

>NCBI ORF sequence for NM_001287499, the custom clone sequence may differ by one or more nucleotides

ATGTTCCTGGGCACCGGGGAGCCGGCCTTGGACACGGGAGATGACAGTCTGTCTGCAGTCACCTTTGACT
CTGATGTGGAGACGAAAGCAAAAAGGAAAGCTTTCCACAAACCTCCACCCACATCGCCAAAGTCACCTTA
TCTCTCTAAGCCGAGAAAAGTGGCCTCCTGGAGGTCCCTCAGGACGGCAGGGAGCATGCCTCTGGGCGGC
CGAGCGTCCCTGACCCCGCAGAAGCTGTGGCTGGGAACCGCAAAGCCAGGAAGTCTGACCCAGGCCCTGA
ACTCACCCCTCACCTGGGAGCATGCGTGGACTGGCGTCCCCGGCGGCACTCCTGACTGTCTGACAGACAC
CTTCAGAGTGAAGAGGCCACATCTCAGGCGCTCTGCCAGCAACGGTCATGTCCCTGGGACTCCTGTCTAC
AGAGAAAAAGAAGATATGTATGACGAGATTATTGAGTTAAAGAAGTCATTGCACGTGCAGAAGAGCGACG
TGGACCTGATGAGAACGAAGCTCCGGCGCCTGGAGGAGGAAAACAGCAGGAAGGACCGGCAGATAGAGCA
GCTCCTGGATCCCAGCCGCGGCACGGATTTTGTTCGGACTCTGGCAGAGAAAAGGCCCGATGCCAGTTGG
GTCATTAACGGGCTGAAGCAGAGGATCCTGAAGCTGGAACAGCAGTGCAAGGAGAAGGACGGCACCATCA
GCAAACTCCAGACCGATATGAAGACTACCAACCTGGAAGAGATGCGGATCGCCATGGAGACATACTACGA
GGAGGTGCATCGTCTCCAGACCCTCTTGGCAAGTTCTGAAACCACCGGAAAGAAGCCCCTGGGGGAGAAG
AAGACGGGCGCCAAAAGGCAGAAGAAGATGGGCAGTGCCCTCCTGAGCTTGTCCCGGAGTGTCCAGGAGC
TCACGGAAGAGAACCAGAGCCTGAAGGAGGACCTGGACCGCGTGCTGAGCACCTCCCCAACCATCTCCAA
GACACAGGGTTATGTGGAGTGGAGCAAGCCCCGGCTGCTGAGGCGCATTGTGGAGCTGGAGAAGAAACTA
AGTGTGATGGAGAGCTCAAAATCACACGCCGCAGAGCCAGTCAGATCACACCCGCCAGCCTGCCTTGCAT
CCAGCTCTGCGCTGCACAGACAGCCACGAGGGGACCGCAACAAGGACCACGAGCGTCTCCGAGGGGCTGT
GAGAGACCTGAAGGAAGAGCGGACCGCGCTGCAGGAGCAGCTGCTGCAGAGAGATTTGGAGGTGAAGCAG
CTCCTGCAGGCGAAGGCCGACCTGGAGAAGGAGCTGGAGTGCGCGAGGGAGGGCGAGGAGGAGAGGAGAG
AGCGAGAGGAGGTTTTGAGAGAGGAGATTCAGACACTTACCAGCAAGCTCCAAGAATTGCAAGAAATGAA
GAAAGAAGAGAAAGAGGATTGCCCGGAAGTTCCTCATAAGGCCCAAGAGCTCCCAGCTCCCACTCCCAGC
AGCAGGCACTGCGAGCAAGACTGGCCGCCGGATTCCAGCGAGGAGGGGCTCCCGCGGCCCCGCTCCCCCT
GCTCTGATGGGAGAAGAGACGCCGCGGCCAGAGTCCTGCAGGCCCAGTGGAAGGTGTACAAGCACAAGAA
AAAAAAGGCTGTTCTGGATGAGGCGGCTGTGGTGCTTCAGGCAGCTTTCAGGGGACATCTCACGCGGACA
AAGCTCTTAGCAAGCAAAGCACATGGCTCAGAGCCACCCAGCGTGCCAGGCCTCCCAGACCAGAGCTCTC
CTGTGCCCCGCGTTCCGAGCCCCATCGCCCAGGCCACGGGCAGCCCTGTGCAGGAGGAGGCCATCGTCAT
CATCCAGTCCGCTCTGCGGGCACACCTGGCCCGGGCCAGGCACAGTGCTACCGGTAAAAGAACCACCACC
GCAGCTTCTACCAGGAGGAGATCGGCTTCAGCCACACACGGGGACGCCTCCTCCCCACCCTTCCTCGCAG
CTCTTCCTGGTAATTTCATTCATTTGGATTCTGGCACCAGGGCAGCTGGTCTGCTGAGGTCTCAGCCAAA
GAGTGGCCACCTCCAGGAAGCCCGGGCTGTGTCGGGACGGAAGGGAGGAGTGTCCCATCTGGAGCTGCCT
CTGAACTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001287499

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_001287499.1, NP_001274428.1
RefSeq Size:	2514 bp
RefSeq ORF:	2109 bp
Locus ID:	23288
Cytogenetics:	7p22.3
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 (3) 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 (3) has a distinct C-terminus and is longer than isoform 1.