

Product datasheet for **RG239354**

IQCE (NM_001287499) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IQCE (NM_001287499) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	IQCE
Synonyms:	1700028P05Rik; PAPA7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG239354 representing NM_001287499.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGTTCTGGGCACCGGGAGCCGGCCTTGGACACGGGAGATGACAGTCTGTCTGCAGTCACCTTTGAC
TCTGATGTGGAGACGAAAGCAAAAAGGAAAGCTTCCACAAACCTCCACCCACATCGCCAAAGTCACCT
TATCTCTCTAAGCCGAGAAAAGTGGCCTCCTGGAGGTCCCTCAGGACGGCAGGGAGCATGCCTCTGGGC
GGCCGAGCGTCCCTGACCCCGCAGAAGCTGTGGCTGGAAACCGCAAAGCCAGGAAGTCTGACCCAGGCC
CTGAACTCACCCCTCACCTGGGAGCATGCGTGGACTGGCGTCCCGCGGCACTCCTGACTGTCTGACA
GACACCTTCAGAGTGAAGAGGCCACATCTCAGGCGCTCTGCCAGCAACGGTCATGTCCCTGGGACTCCT
GTCTACAGAGAAAAGAAGATATGTATGACGAGATTATTGAGTTAAAGAAGTCATTGCACGTGCAGAAG
AGCGACGTGGACCTGATGAGAACGAAGTCCGGCGCCTGGAGGAGAAAACAGCAGGAAGGACCGGCAG
ATAGAGCAGCTCCTGGATCCAGCCGCGCACGGATTTTGTTCGACTCTGGCAGAGAAAAGGCCCGAT
GCCAGTTGGGTCAATTAACGGGCTGAAGCAGAGGATCCTGAAGCTGGAACAGCAGTCAAGGAGAAGGAC
GGCACCATCAGCAAACTCCAGACCGATATGAAGACTACCAACCTGGAAGAGATGGGATCGCCATGGAG
ACATACTACGAGGAGGTGCATCGTCTCCAGACCCTCTTGCAAGTTCTGAAACCACCGAAAAGAAGCCC
CTGGGGGAGAAGAAGACGGGCGCAAAAAGGCAGAAGAAGATGGGCAGTGCCTCCTGAGCTTGTCCCGG
AGTGTCCAGGAGCTCACGGAAGAGAACCAGAGCCTGAAGGAGGACCTGGACCGCGTGTGAGCACCTCC
CCAACCATCTCCAAGACACAGGGTTATGTGGAGTGGAGCAAGCCCGGCTGTGAGGCGCATTGTGGAG
CTGGAGAAGAACTAAGTGTGATGGAGAGCTCAAATCACACGCCGACAGCCAGTCAGATCACACCCG
CCAGCCTGCCTTGATCCAGCTCTGCGCTGCACAGACAGCCACGAGGGGACCGCAACAAGGACCAGAG
CGTCTCCGAGGGGCTGTGAGAGACCTGAAGGAAGAGCGGACCGCGCTGCAGGAGCAGTGTGCAGAGA
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GCAGCTGGTCTGCTGAGGTCTCAGCCAAAGAGTGGCCACCTCCAGGAAGCCCGGGCTGTGTGGGACGG
AAGGGAGGAGTGTCCATCTGGAGCTGCCTCTGAAC
ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG239354
 Blue=ORF Red=Cloning site Green=Tag(s)

MFLGTGEPALDTGDDSLSAVTFDSVETKAKRKAFFHKPPPTSPKSPYLSKPRKVASWRSRLRTAGSMPLG
 GRASLTPQKLWLTAKPGSLTQALNSPLTWEHAWTGVPGGTDPCLDTRFRVVRKPHLRRSASNGHVP
 VYREKEDMYDEIIEELKSLHVQKSDVDLMRTKLRRLEENSRKDRQIEQLLDPSRGTDVVRTLAEKRPD
 ASWINGLKQRILKLEQQCKEKDGTISKLQTDKMTNLEEMRIAMETYYEEVHRLQTLLEASSETTGKPP
 LGEKKTGAKRQKKMGALLSLSRVQELTEENQSLKEDLDRVLSTPTISKTQGYVEWSKPRLLRRIVE
 LEKKSVMESSKSHAAEPVRSHPPACLASSALHRQPRGDRNKDHERLRGAVRDLKEERTALQEQLLQR
 DLEVQQLQAKADLEKELEECAREGEEERREREVLRREEIQTLTSLKQELQEMKKEEKEDCPEVPHKAQE
 LPAPTSSRHCEQDWPDSSEGLPRRSPSCDGRDDAAARVLQAQWKVYKHKKKAVLDEAAVVLQAA
 FRGHLTRTKLLASKAHGSEPPVPLPDQSSPVRVPSPIAQTGSPVQEEAIVIIQSALRAHLARARH
 SATGKRRTTAASTRRRSASATHGDASSPPFLAALPGNF IHLDSGTRAAGLLRSQPKSGHLQEARAVSGR
 KGGVSHLELPLN
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVFSYRYEAGRVIGDFKVMGTGFPE
 SVIFTDKIIRSNAVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



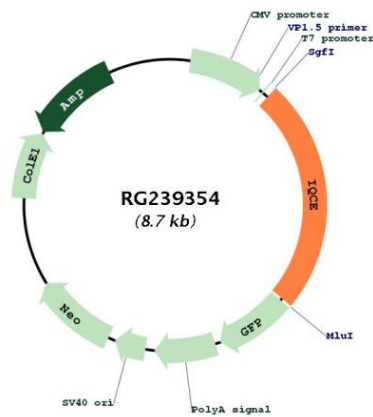
ACCN: NM_001287499

ORF Size: 2106 bp

OTI Disclaimer: 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 clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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).
RefSeq:	NM_001287499.2
RefSeq Size:	2514 bp
RefSeq ORF:	2109 bp
Locus ID:	23288
Cytogenetics:	7p22.3
MW:	78.6 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]

Product images:


Circular map for RG239354