

Product datasheet for **RG239303**

IQCE (NM_001287500) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IQCE (NM_001287500) 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:

>RG239303 representing NM_001287500.
 Blue=ORF Red=Cloning site Green=Tag(s)

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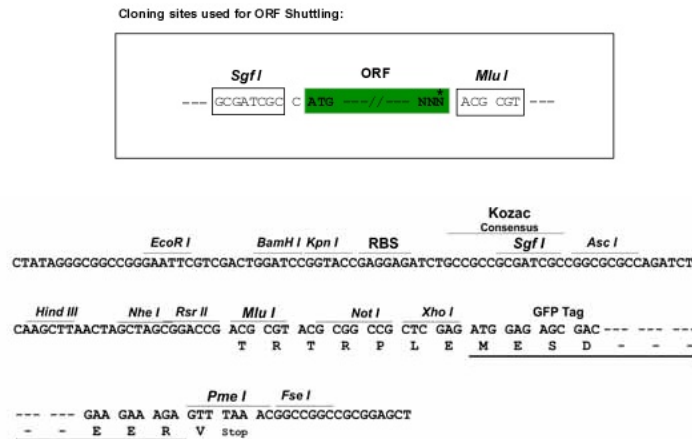
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ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAAAC
  
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Protein Sequence: >Peptide sequence encoded by RG239303
 Blue=ORF Red=Cloning site Green=Tag(s)

MFLGTGEPALDTKAKRKAFFHKPPPTSPKSPYLSKPRKVASWRSLRTAGSMPLGGRASLTPQKLWLGTAK
 PGSLTQALNSPLTWEHAWTGVPGGTPDCLTDTFRVKRPHLRASNGHVPVYREKEDMYDEI IELK
 KSLHVQKSDVDLMRTKLRRLLEEENSRKDRQIEQLLDPSRGTDVVRTLAEKRPDASWVINGLKQRILKLE
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 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLSLRDGGYSSVVD SHMHFKSAIHP SILQNGGPMFA
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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001287500

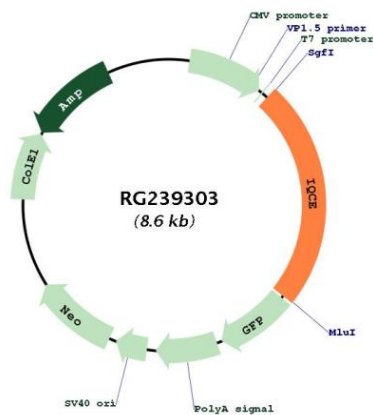
ORF Size: 2058 bp

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_001287500.2
RefSeq Size:	2466 bp
RefSeq ORF:	2061 bp
Locus ID:	23288
Cytogenetics:	7p22.3
MW:	77 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 RG239303