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Product datasheet for RG220753

IQSEC3 (NM_015232) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IQSEC3 (NM_015232) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	IQSEC3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

ORF Nucleotide Sequence:

>RG220753 representing NM_015232
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTAGAACATAAGTACGGCGGTCACCTGGTGTCCCGGCGCGCCGCTTGCACCATCCAAACCGCCTTCC
GCCAATACCAGCTCAGCAAGAACTTCGAGAAAATCCGCAACTCGCTTCTGGAGAGCCGCCTGCCACGGCG
GATCTCCCTGCGCAAGGTGCGGTCACCCACGGCCGAGAGCCTGGCGGCCGAGAAAGCGCTCATGGAGGGC
TACGGCCTCGTGGGGCTGCCGCTGGTGCGCTCGCCCTCCCTGCCGCCCACCTTCGCAGGCACCCTCACCG
AGCTGGAGGACTCCTTCACCGAGCAGGTGCAATCCCTGGCCAAGTCCATCGACGACGCGCTCAGCACGTG
GAGCCTCAAGACCATGTGCTCCCTGCGGGAGAGTGGCGCTTACCAGCTCCACCAGGCCCTGCAGGCGGCC
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CCGCGGAGACCCCCGGCCTGCCCCCGGCCCACAGCGGGACCCTCATGATGGCTTTCCGGGACGTCACGGT
GCAGATCGCCAACCAGAACATATCCGTCTCCTCCTCCACGGCTCTGTCGGTGGCCAACTGCCTGGGCGCT
CAGACGGTCCAGGCCCCCGCAGAGCCCGCGGCGGGCAAGGCCGAGCAGGGCGAGACCTCTGGGCGGGAGG
CCCCGGAAGCCCCCGCCGTGGGCCGGGAGGACGCGTCAGCCGAGGACTCATGCGCAGAGGCTGCGGCTAG
TGGGGCGGCGGATGGGGCCACAGCCCCCAAAACAGAGGAGGAAGAGGAGGAGGAGGAGACGGCGGAGGTG
GGGAGAGGGGCCGAGGCCGAGGCAGGCGACTTGGAGCAGCTGAGCAGCAGCAGCACGTCCACCAAGTCCG
CCAAGTCAGGCTCGGAGGCGTCGGCCTCCGCCTCCAAGGACGCCCTGCAGGCCATGATCCTGAGCCTGCC
GCGCTACCACTGCGAGAACCCAGCCAGCTGCAAGTCGCCCACGCTCTCCACCGACACCCTGCGCAAGCGG
CTCTACCGCATCGGCCTCAACCTCTTCAACATAAACCCCGACAAGGGCATCCAGTTCCTGATCTCACGCG
GCTTCATCCCGGACACCCCCATCGGTGTGGCCCATTTCCTCCTCCAGCGAAAGGGCCTCAGCCGCCAGAT
GATTGGAGAGTTCCTGGGCAACAGCAAGAAGCAGTTCAACCGCGACGTGCTGGACTGCGTGGTGGACGAG
ATGGACTTCTCCAGCATGGAGCTGGACGAGGCCCTGCGCAAGTTCCAGGCACACATCCGTGTGCAGGGGG
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AGCAGGCAGCGCATCAGAGGGAGGTGTTCCTCTTCAATGACCTGCTGGTGATTCTCAAACTTTGCCCGAA
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GAGAACGAGTATTACTCTCATGGCATCACACTGGTGACCCCGCTCTCGGGCTCCGAGAAGAAGCAGGTGC
TGCATTTCTGTGCCCTGGGCTCGGACGAGATGCAGAAGTTCGTGGAGGACCTGAAGGAGTCCATTGCTGA
GGTGACGGAGCTGGAGCAGATCCGAATAGAGTGGGAGCTGGAGAAGCAGCAGGGAACAAAGACACTCTCC
TTCAAGCCCTGCGGAGCCCAGGGGGACCCACAGTCAAAGCAAGGATCGCCGACAGCCAAAAGGGAAGCCG
CGCTCAGGGAGAGGCCGGCGGAGAGCACGGTGGAGGTATTAATCAATGCCTCCCCAGCCCGACTCACCAT
TTTACCAATTTCAAGAGATACAATTAAAAGTTACTGC

AGCGGACCGACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

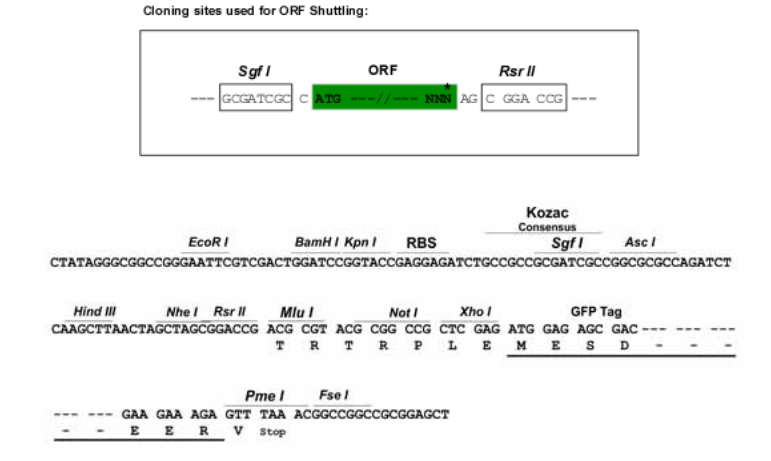
>RG220753 representing NM_015232
Red=Cloning site Green=Tags(s)

MLEHKYGGHLVSRRAACTIQTAFRQYQLSKNFEKIRNSLLESRLPRRISLRKVRSPTAESLAAEKALMEG
YGLVGLPLVRSPSLPPTFAGTLTELEDSFTEQVQSLAKSIDDALSTWSLKTMCSLRESGAYQLHQALQAA
AGPPGLEAEGRAPESAGPGPGDDAAETPGLPPAHSGTLMMAFRDVTVQIANQNISVSSSTALSVANCLGA
QTVQAPAEPAAGKAEQGETSGREAPEAPAVGREDASAEDSCAEAAASGAADGATAPKTEEEEEEEETAEV
GRGAEAEAGDLEQLSSSSTSTKSAKSGSEASASASKDALQAMILSLPRYHCENPASCKSPTLSTDTLRKR
LYRIGLNLFNINPDKGIQFLISRGFIPDTPIGVAHFLLQRKGLSRQMIGEFLGNSKKQFNRDVLDCVVDE
MDFSSMELDEALRKFQAHIRVQGEAQKVERLIEAFSQRYCMCNPEVVQQFHNPDTIFILAFAIILLNTDM
YSPNIKPDRKMMLEDFIRNLRGVDDGADIPRELVVGIYERIQQKELKSNEDHVTYVTKVEKSIVGMKTVL
SVPHRRLVCCSRLFEVTDVNKLQKQAAHQREVFLFNDLLVILKLCPKKKSSSTYTFCKSVGLLGMQFQLF
ENEYYSHGITLVTPLSGSEKKQVLHFCALGSDEMQKFVEDLKESIAEVTELEQIRIEWELEKQQGTKTLS
FKPCGAQGDPQSKQGSPTAKREAALRERPAESTVEVLINASPARLTILPISRDTIKSYC

SGPTRTRRLE – GFP Tag – V

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_015232

ORF Size: 2277 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).

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_015232.1, NP_056047.1

RefSeq Size: 2699 bp

RefSeq ORF: 2280 bp

Locus ID: 440073

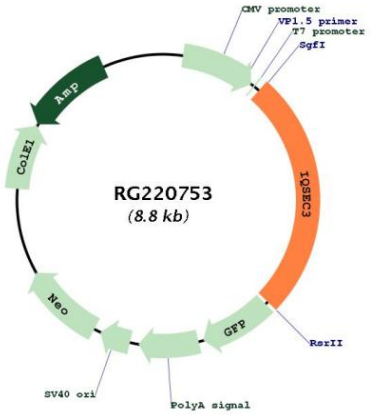
UniProt ID: Q9UPP2

Cytogenetics: 12p13.33

Protein Pathways: Endocytosis

Gene Summary: Acts as a guanine nucleotide exchange factor (GEF) for ARF1.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG220753