

Product datasheet for **RG202349**

QIL1 (C19orf70) (NM_205767) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: QIL1 (C19orf70) (NM_205767) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: QIL1
Synonyms: C19orf70; MIC13; P117; QIL1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG202349 representing NM_205767
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGGCCCGGTGTGGTTCGCTGATGAGGTTCCATCAAGGGAAGTGTGGCTGGGGCGCCGTCTACC
TGGTGTACGACCAGGAGCTGCTGGGGCCACGACAAGAGCCAGGCAGCCCTACAGAAGGCTGGGGAGGT
GGTCCCCCGCCATGTACCAGTTCAGCCAGTACGTGTGTCAGCAGACAGGCCTGCAGATACCCAGCTC
CCAGCCCCTCAAAGATTTACTTTCCATCCGTGACTCCTGGAATGCAGGCATCATGACGGTGATGTCAG
CTCTGTGGTGGCCCCCTCAAGGCCCGGAGTACTCAAGGAGGCTGGGAGTATGTGAAGCGCGCAC
CAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG202349 representing NM_205767
Red=Cloning site **Green**=Tags(s)
MVARVWSLMRFLIKGSVAGGAVYLVYDQELLGPSDKSQAALQKAGEVPPAMYQFSQYVCQQTGLQIPQL
PAPPKIYFPIRDWVNSVMSALSVAAPSKAREYSKEGWEYVKARTK

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_205767

ORF Size: 354 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_205767.3](#)

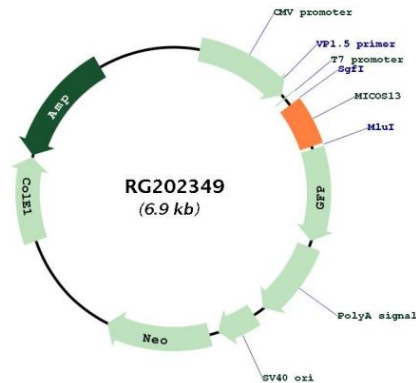
RefSeq Size: 943 bp

RefSeq ORF: 357 bp

Locus ID: 125988
 UniProt ID: [Q5XKP0](#)
 Cytogenetics: 19p13.3

Gene Summary: Component of the MICOS complex, a large protein complex of the mitochondrial inner membrane that plays crucial roles in the maintenance of crista junctions, inner membrane architecture, and formation of contact sites to the outer membrane. Constituent of mature MICOS complex, it is required for the formation of cristae junction (CJ) and maintenance of cristae morphology. Required for the incorporation of MICOS10/MIC10 into the MICOS complex.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG202349