

Product datasheet for **RG219881**

UQCRHL (NM_001089591) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: UQCRHL (NM_001089591) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: UQCRHL
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG219881 representing NM_001089591
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGACTGGAGGACGAGCAAAAGATGCTTACCGAATCCGGAGATCCTGAGGAGGAGGAAGAGGAAGAGG
AGGAATTAGTGGATCCCCTAACAAACAGTGAGAGAGCAATGCGAGCAGTTGGAGAAATGTGTAAAGGCCCG
GGAGCGGCTAGAGCTCTATGATGAGCATGTATCCTCTCGATCACATACAGAAGAGGATTGCACGGAGGAG
CTCTTTGACTTCTTGCATGCAAAGGACCATTGCGTGGCCCAAACTCTTAACTTTGAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG219881 representing NM_001089591
Red=Cloning site Green=Tags(s)
MGLEDEQKMLTESGDPEEEEEEEEEELVDPLTTVREQCEQLEKCVKARERLELYDEHVSSRSHTEDCTEE
LFDLHAKDHCVAHKLFNNLK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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| 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: | <ol style="list-style-type: none">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_001089591.1 , NP_001083060.1 |
| RefSeq Size: | 538 bp |
| RefSeq ORF: | 276 bp |
| Locus ID: | 440567 |
| UniProt ID: | A0A096LP55 |
| Cytogenetics: | 1p36.21 |
| Protein Pathways: | Alzheimer's disease, Cardiac muscle contraction, Huntington's disease, Metabolic pathways, Oxidative phosphorylation, Parkinson's disease |
| Gene Summary: | This gene has characteristics of a pseudogene derived from the UQCRH gene. However, there is still an open reading frame that could produce a protein of the same or nearly the same size as that of the UQCRH gene, so this gene is being called protein-coding for now. [provided by RefSeq, Jul 2008] |