

Product datasheet for **RG235525**

UQCRH (NM_001297565) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: UQCRH (NM_001297565) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: UQCRH
Synonyms: QCR6; UQCR8
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG235525 representing NM_001297565.
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGAGACCGCATTCTGCCATTCTGGCGGCAGTGTGGCTCTGCCAGCTGGCCTTCTGCACGGATCCC
CTAACACAGTGAGAGAGCAATGCGAGCAGTTGGAGAAATGTGTAAGGCCCGGGAGCGGCTAGAGCTC
TGTGATGAGCGTGTATCCTCTCGATCACATACAGAAGAGGATTGCACGGAGGAGCTCTTGACTTCTG
CATGCGAGGGACCATTGCGTGGCCACAACTCTTTAACAACTTGAAA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG235525
Blue=ORF Red=Cloning site Green=Tag(s)

```
MGDRILPFLAAVWLCQLAFCTDPLTTVREQCEQLEKCVKARERLELCDERVSSRSHTTEEDCTEELFDL
HARDHCVAHKLFNLLK
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP
SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: SgfI-MluI



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Cloning Scheme:



ACCN: NM_001297565

ORF Size: 255 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_001297565.2](#)

RefSeq Size: 771 bp

RefSeq ORF: 258 bp

Locus ID: 7388

Cytogenetics: 1p33

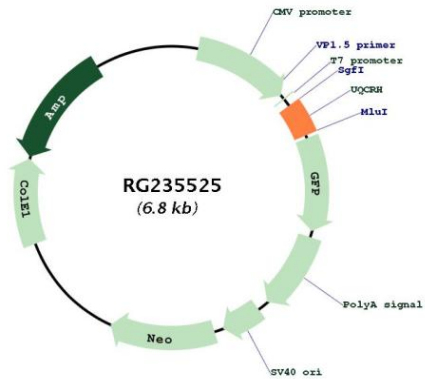
Protein Families: Druggable Genome

Protein Pathways: Alzheimer's disease, Cardiac muscle contraction, Huntington's disease, Metabolic pathways, Oxidative phosphorylation, Parkinson's disease

MW: 10.4 kDa

Gene Summary: This is a component of the ubiquinol-cytochrome c reductase complex (complex III or cytochrome b-c1 complex), which is part of the mitochondrial respiratory chain. This protein may mediate formation of the complex between cytochromes c and c1.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG235525