

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)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGGAGACCGCATTCTGCCATTCTGGCGGCAGTGTGGCTCTGCCAGCTGGCCTTCTGCACGGATCCC
CTAACACAGTGAGAGAGCAATGCGAGCAGTTGGAGAAATGTGTAAGGCCCGGGAGCGGCTAGAGCTC
TGTGATGAGCGTGTATCCTCTCGATCACATACAGAAGAGGATTGCACGGAGGAGCTCTTTGACTTCTG
CATGCGAGGGACCATTGCGTGGCCACAACTCTTTAACAACTTGAAA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

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

```
MGDRILPFLAAVWLCQLAFCTDPLTTVREQCEQLEKCVKARERLELCDERVSSRSHTTEEDCTEELFDL
HARDHCVAHKLFNLLK
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: SgfI-MluI



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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]