

Product datasheet for **MR223850**

Uqcrc1 (NM_025407) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Uqcrc1 (NM_025407) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Uqcrc1 |
| Synonyms: | 1110032G10Rik |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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ORF Nucleotide Sequence:

>MR223850 representing NM_025407
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGCGCTCCGAGTCTGCCGAGCGGCTGCTCCGGGACGCAAGTGCTACTTCGACCCGCCGCTCGC
 CGGCCCTGCTGAGGTTACCTGCCTTGGGGGTACCGCAACCTTCGCCAGGCCCTCCAGAGCGTGCCGGA
 GACCCAGGTCAGCATCTTGGACAACGGGCTGCGTGTGGCCTCGGAGCAGTCTCGCATGCTACCTGCACG
 GTGGGAGTGTGGATTGACGCTGGCAGTGCCTATGAGACTGAGAAGAACAATGGAGCAGGCTACTTTTGG
 AACATCTGGCTTCAAGGGAACAAGAATCGGCCCTGGCAATGCCTTAGAGAAGGAGGTAGAGAGTATTGG
 GGCTCATCTTAATGCCTACAGCACTCGAGAGCACACTGCTTACCTCATCAAGGCACTGTCCAAGGACCTG
 CCAAAAGTTGTGGAGCTCCTGGCAGATATCGTGCAGAACAGTAGTCTGGAAGACTCACAGATCGAGAAGG
 AACGAGATGTGATCCTGCGGGAGATGCAGGAAAATGACGCCTCCATGCAGAACGTGGTCTTTGATTACCT
 GCATGCGACAGCATTCCAGGGCACACCTTAGCCAGGCTGTGGAGGGGCCAGTGAGAAGTCCAGGAGG
 CTGTCCGCGACAGACTTGACTGACTACCTCAACAGACATTACAAAGCCCCCGGATGGTGCCTGGCTGCAG
 CTGGAGGTGTGGAACACCAGCAGCTGCTGGACCTTGCCAGAAACACTTGAGCAGTGTCTCCCGAGTGTA
 TGAAGAAGATGCCGTGCCTGGTCTCACTCCATGTGCTTCACTGGCAGTGAGATCCGCCATCGCGATGAC
 GCCCTGCCTTTGGCCACGTGGCCATTGCAGTAGAGGGACCTGGCTGGGCTAACCCAGACAACGTGACCC
 TCCAAGTGGCCATGCCATCATAGGCCACTATGACTGCACTTACGGTGGTGGAGTGCACCTGTCAAGCCC
 GCTGGCTCCGTTGCTGTGGCTAACAGCTTGGCAGAGTTCCAGACCTCAACATCTCCTACTCTGAT
 ACTGGGCTGCTGGGCGCACACTTTGTCTGTGATGCCATGAGTATCGATGACATGGTCTTCTCCTGCAAG
 GCCAGTGGATGCGCCTATGTACCAGTGCCTACAGAGAGTGAGGTGACTCGGGGCAAAAACCTCTTAGGAA
 TGCTTTGGTGTCTCATTGGATGGCACCACCCTGTGTGTGAAGACATTGGTCCGAGTCTCCTGACTTAT
 GGCCGCCGCATCCCTCTGGCTGAGTGGGAGAGCCGGATTGAGGAGTGGATGCCAGATGCTGCGTGACA
 TTTGCTCCAAGTACTTTTATGACCAATGTCCAGCAGTGGCTGGCTATGGCCCCATCGAGCAGCTCCAGA
 CTACAACCGGATCCGAGTGGCATGTTCTGGTGCCTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR223850 representing NM_025407
 Red=Cloning site Green=Tags(s)

MAASAVCRAACSGTQVLLRTRRSPALLRPLALRGATFAQALQSVPETQVSI LDNGLRVASEQSSSHATCT
 VGVWIDAGSRYETKNNAGYFLEHLAFKGTKNRPGNALEKEVESIGAHLNAYSTREHTAYLIKALSKDL
 PKVVELLADIVQNSSELEDSQIEKERDVLREMQENDASMQNVVFDYLHATAFQGTPLAQAVEGPESENVR
 LSRTDLTDYLNRYKAPRMVLAAGGVEHQQLDLAQKHLSSVSRVYEEAVPGLTPCRFTGSEIRHRDD
 ALPLAHVAIAVEGPGWANPDNVTLQVANAIIGHYDCTYGGGVHLSPLASVAVANKLCQSFQTFNISYS
 TGLLGAHFVCDAMSIDDMVFFLQGWMLCTSATESEVTRGKNILRNALVSHLDGTPVCEDIGRSLTTY
 GRRIPLAEWESRIQEVDAMLRDICKSYFYDQCPAVAGYPIEQLPDYNRIRSGMFWLRF

TRTRPLEQ**KL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_025407

ORF Size: 1440 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_025407.2](#), [NP_079683.2](#)

RefSeq Size: 1665 bp

RefSeq ORF: 1443 bp

Locus ID: 22273

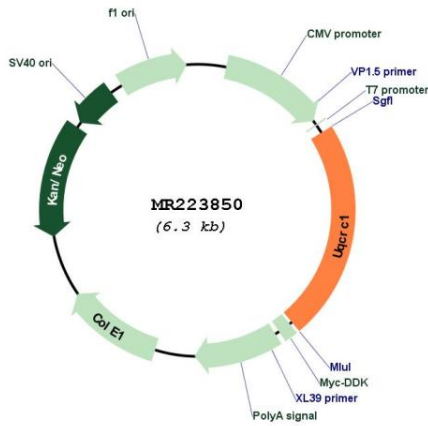
UniProt ID: [Q9CZ13](#)

Cytogenetics: 9 59.63 cM

MW: 53.3 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 (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR223850