

# Recombinant human UQCRC1 protein

Catalog Number: ATGP2594

## PRODUCT INFORMATION

---

### Expression system

E.coli

### Domain

35-480aa

### UniProt No.

P31930

### NCBI Accession No.

NP\_003356

### Alternative Names

Ubiquinol-cytochrome c reductase core protein 1, Cytochrome b-c1 complex subunit 1 mitochondrial, Complex III subunit 1, Core protein I, Ubiquinol-cytochrome-c reductase complex core protein 1, QCR1

## PRODUCT SPECIFICATION

---

### Molecular Weight

51.8 kDa (471aa)

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol

### Purity

> 85% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE, Denatured

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

---

### Description

uQCRC1 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. Recombinant human uQCRC1 protein, fused to His-tag at N-terminus, was expressed in E. coli.

# Recombinant human UQCRC1 protein

Catalog Number: ATGP2594

## Amino acid Sequence

<MGSSHHHHHH SGLVPRGSH MGSEF>TATFA QALQFVPETQ VSLLDNGLRV ASEQSSQPTC TVGVWIDVGS  
RFETEKNGA GYFLEHLAFK GTKNRPGSAL EKEVESMGAAH LNAYSTREHT AYYIKALSKD LPKAVELLGD IVQNCSEDS  
QIEKERDVIL REMQENDASM RDVVFNYLHA TAFQGTPLAQ AVEGPESENR KLSRADLTEY LSTHYKAPRM VLAAAGGVEH  
QQLDLAQKH LGGIPWTYAE DAVPTLTPCR FTGSEIRHRD DALPFAHVAI AVEGPGWASP DNVALQVANA IIGHYDCTYG  
GGVHLSSPLA SGAVANKLCQ SFQTFSICYA ETGLLGAHFV CDRMKIDMM FVLQGQWMRL CTSATESEVA RGKNILRNAL  
VSHLDGTPV CEDIGRSLT YGRRIPLAEW ESRIAEVDAS VVREICKYI YDQCPAVAGY GPIEQLPDYN RIRSGMFWLR F

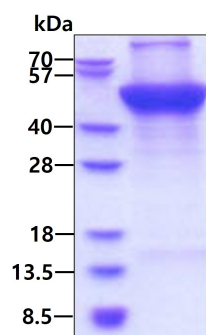
## General References

Hendrickson,S.L, et al. (2010) PLoS ONE 5 (9), E12862

Martins-de-Souza,D., et al. (2009) J Psychiatr Res 43 (11), 978-986

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.