

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.

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Amino acid Sequence

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

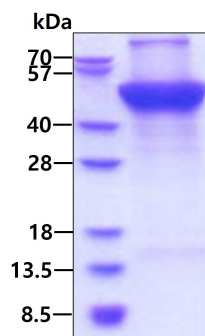
General References

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.