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# Recombinant human UQCRC2 protein

Catalog Number: ATGP1726

## **PRODUCT INFORMATION**

#### **Expression system**

E.coli

#### **Domain**

15-453aa

#### **UniProt No.**

P22695

#### **NCBI Accession No.**

NP 003357

#### **Alternative Names**

Cytochrome b-c1 complex subunit 2 mitochondrial, Cytochrome b-c1 complex subunit 2, mitochondrial, QCR2, uOCR2

## **PRODUCT SPECIFICATION**

# **Molecular Weight**

49 kDa (460aa)

## **Concentration**

0.5mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 2M urea, 10% glycerol, 0.1M NaCl

#### **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**

Cytochrome b-c1 complex subunit 2, mitochondrial, also known as uQCRC2, belongs to the peptidase M16 family. This protein is a component of the ubiquinol-cytochrome c reductase complex (complex III), which is part of the mitochondrial respiratory chain. uQCRC2 is required for the assembly of the complex. Recombinant human uQCRC2 protein, fused to His-tag at N-terminus, was expressed in E. coli.



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# **Amino acid Sequence**

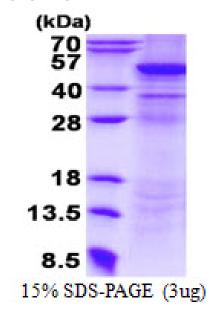
MGSSHHHHHH SSGLVPRGSH MSLKVAPKVK ATAAPAGAPP QPQDLEFTKL PNGLVIASLE NYSPVSRIGL FIKAGSRYED FSNLGTTHLL RLTSSLTTKG ASSFKITRGI EAVGGKLSVT ATRENMAYTV ECLRGDVDIL MEFLLNVTTA PEFRRWEVAD LQPQLKIDKA VAFQNPQTHV IENLHAAAYR NALANPLYCP DYRIGKVTSE ELHYFVQNHF TSARMALIGL GVSHPVLKQV AEQFLNMRGG LGLSGAKANY RGGEIREQNG DSLVHAAFVA ESAVAGSAEA NAFSVLQHVL GAGPHVKRGS NTTSHLHQAV AKATQQPFDV SAFNASYSDS GLFGIYTISQ ATAAGDVIKA AYNQVKTIAQ GNLSNTDVQA AKNKLKAGYL MSVESSECFL EEVGSQALVA GSYMPPSTVL QQIDSVANAD IINAAKKFVS GQKSMAASGN LGHTPFVDEL

#### **General References**

Duncan A M., et al. (1993) Genomics. 18:455-456. Wen J J., et al. (2004) Free Radic Biol Med. 37:2072-2081.

# **DATA**

#### **SDS-PAGE**



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

