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, uQCR2

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

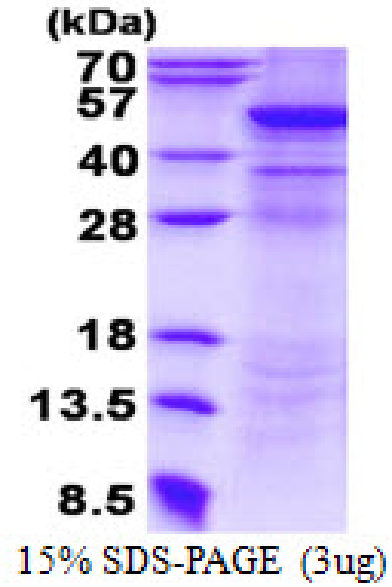
MGSSHHHHHH SSGLVPRGSH MSLKVAPKVK ATAAPAGAPP QPQDLEFTKL PNGLVIASLE NYSPVSRIGL FIKAGSRYED FSNLGTTHLL RLTSSLTTKG ASSFKITRGI EAVGGKLSVT ATRENMAYTV ECLRGDVDIL MEFLLNVTTA PEFRRWEVAD LQPQLKIDKA VAFQNPQTHV IENLHAAAYR NALANPLYCP DYRIGKVTSE ELHYFVQNHF TSARMALIGL GVSHPVLKQV AEQFLNMRGG LGLSGAKANY RGGEIREQNG DSLVHAAFVA 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



15% SDS-PAGE (3ug)

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