
Product Data Sheet

Product Name: UQCRC1 Human
 Cat. No.: GP24958
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	D3S3191; QCR1; UQCR1; Cytochrome b-c1 complex subunit 1; mitochondrial; ComplexIII subunit 1; Core protein I; Ubiquinol-cytochrome-c reductase complex coreprotein 1.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSEFTATFA QALQFVPETQ VSLLDNGLRV ASEQSSQPTC TVGVWIDVGS RFETEKNGA GYFLEHLAFK GTKNRPGSAL EKEVESMGAH LNAYSTREHT AYYIKALSKD LPKAVELLGD IVQNCSLEDS QIEKERDVIL REMQENDASM RDVVFNYLHA TAFQGTPLAQ AVEGPESENV KLSRADLTEY LSTHYKAPRM VLAAAGGVEH QQLDLAQKH LGGIPWTYAE DAVPTLTPCR FTGSEIRHRD DALPFAHVAI AVEGPGWASP DNVALQVANA IIGHYDCTYG GGVHLSSPLA SGAVANKLCQ SFQTFSCICYA ETGLLGAHFV CDRMKIDDMM FVLQGQWMRL CTSATESEVA RGKNILRNAL VSHLDGTTTPV CEDIGRSLLT YGRRIPLAEW ESRIAEDAS VVREICSKYI YDQCPAVAGY GPIEQLPDYN RIRSGMFWLR F.		
Formulation	UQCRC1 protein solution (1mg/ml) contains 20mM Tris-HCl buffer(pH 8.0), 0.4M UREA and 10% glycerol.		

Introduction

Ubiquinol-Cytochrome CReductase Core Protein I (UQCRC1) is a member of the peptidase M16 family,UQCRC1/QCR1 subfamily. UQCRC1 is a part of the ubiquinol-cytochrome creductase complex (complex III or cytochrome b-c1 complex), which is component ofthe mitochondrial respiratory chain. UQCRC1 can mediate formation of thecomplex between cytochromes c and c1.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer

Caution: Product has not been fully validated for medical applications. For research use only.

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periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

UQCRC1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 471 amino acids (35-480 a.a) and having a molecular mass of 51.8kDa. UQCRC1 is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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