
Product Data Sheet

Product Name: UQCRQ Human
 Cat. No.: GP22393
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Cytochrome b-c1 complex subunit 8; Complex III subunit 8; Complex III subunit VIII; Ubiquinol-cytochrome c reductase complex 9.5 kDa protein; Ubiquinol-cytochrome c reductase complex ubiquinone-binding protein QP-C; Ubiquinol-Cytochrome C Reductase; UQCRQ.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMGREFGN LTRMRHVISY SLSPFEQRAY PHVFTKGIPN VLRRIRESFF RVVPQFVVFY LIYTWGTEEF ERSKRKNPAA YENDK.		
Formulation	The UQCRQ solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M Urea.		

Introduction

Ubiquinol-Cytochrome C Reductase (UQCRQ) is a small core-associated protein and a subunit of ubiquinol-cytochrome c reductase complex III that belongs to the mitochondrial respiratory chain. UQCRQ is also a ubiquinone-binding protein of low molecular mass.

Stability

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

UQCRQ Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 105 amino acids (1-82a.a) and having a molecular mass of 12.3kDa. UQCRQ is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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

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