

Recombinant Human UQCRB protein, His & T7-tagged

Cat. No. UQCRB-7922H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human UQCRB aa. (Ala2~Lys111 (Accession # P14927)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ala2~Lys111
Description	This gene encodes a subunit of the ubiquinol-cytochrome c oxidoreductase complex, which consists of one mitochondrial-encoded and 10 nuclear-encoded subunits. The protein encoded by this gene binds ubiquinone and participates in the transfer of electrons when ubiquinone is bound. This protein plays an important role in hypoxia-induced angiogenesis through mitochondrial reactive oxygen species-mediated signaling. Mutations in this gene are associated with mitochondrial complex III deficiency. Alternatively spliced transcript variants have been found for this gene. Related pseudogenes have been identified on chromosomes 1, 5 and X.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 17.1kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 8.8.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH ₂ O.

GENE INFORMATION

Gene Name	UQCRB ubiquinol-cytochrome c reductase binding protein [Homo sapiens (human)]
Official Symbol	UQCRB
Synonyms	UQCRB; ubiquinol-cytochrome c reductase binding protein; QPC; QCR7; QP-C; UQBC; UQBP; UQPC; UQCR6; MC3DN3; cytochrome b-c1 complex subunit 7; complex III subunit 7; complex III subunit VII; mitochondrial ubiquinone-binding protein; ubiquinol-cytochrome c reductase complex 14 kDa protein; ubiquinol-cytochrome c reductase, complex III subunit VI

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Gene ID	7381
mRNA Refseq	NM_001199975.2
Protein Refseq	NP_001186904.1
UniProt ID	P14927

SDS-PAGE

