

Product datasheet

Recombinant Human UQCRQ protein (denatured) ab171691

[1 Image](#)

Description

Product name	Recombinant Human UQCRQ protein (denatured)
Purity	> 85 % SDS-PAGE.
Expression system	Escherichia coli
Accession	<u>O14949</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHH SSGLVPRGSH MGSMGREFGN LTRMRHVISY SLSPFEQRAY PHVFTKGIPN VLRRIRESFF RVVPQFVVFY LIYTWGTEEF ERSKRKNPAA YENDK
Predicted molecular weight	12 kDa including tags
Amino acids	1 to 82
Tags	His tag N-Terminus
Description	Recombinant Human UQCRQ protein

Specifications

Our **Abpromise guarantee** covers the use of **ab171691** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
Form	Liquid

Preparation and Storage

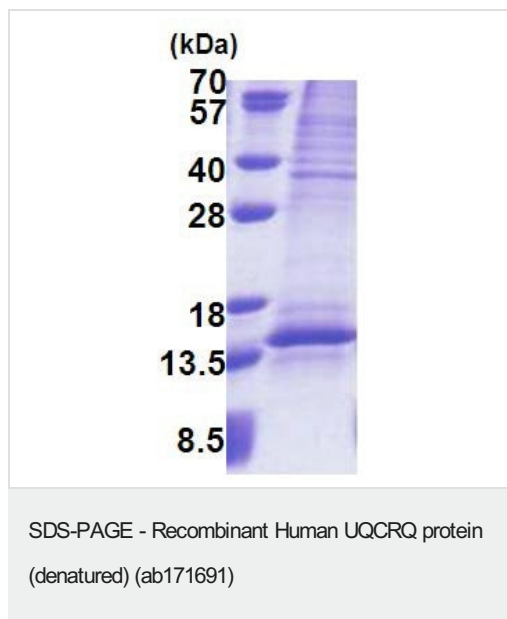
Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 8.00
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Constituents: 2.4% Urea, 0.32% Tris HCl, 10% Glycerol (glycerin, glycerine)

General Info

Function	This is a component of the ubiquinol-cytochrome c reductase complex (complex III or cytochrome b-c1 complex), which is part of the mitochondrial respiratory chain. This subunit, together with cytochrome b, binds to ubiquinone.
Involvement in disease	Defects in UQCRQ are a cause of mitochondrial complex III deficiency (MT-C3D) [MIM:124000]. A disorder of the mitochondrial respiratory chain resulting in a highly variable phenotype depending on which tissues are affected. Clinical features include mitochondrial encephalopathy, psychomotor retardation, ataxia, severe failure to thrive, liver dysfunction, renal tubulopathy, muscle weakness and exercise intolerance.
Sequence similarities	Belongs to the UQCRQ/QCR8 family.
Cellular localization	Mitochondrion inner membrane.

Images



15% SDS-PAGE analysis of ab171691 (3µg).

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
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