

# Recombinant Human COQ7 protein ab153774

### Description

<b>Product name</b>	Recombinant Human COQ7 protein
<b>Purity</b>	> 95 % SDS-PAGE. ab153774 is greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE. It is lyophilized from an 0.2 µM filtered solution.
<b>Endotoxin level</b>	< 1.000 Eu/µg
<b>Expression system</b>	HEK 293 cells
<b>Accession</b>	<u><b>Q99807</b></u>
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	SGMTLDNISRAAVDRIIRVDHAGEYGANRIYAGQMAVLGRT SVGPVIQKM WDQEKDHLKKFNELMVTFVRPTVLMPLWNVLGFBALGA GTALLGKEGAMA CTVAVEESIAHHYNNQIRTLMEEDPEKYEELLQLIKKFRDE ELEHHDIGL DHDAELAPAYAVLKSIIQAGCRVAMLSERLVDHHHHHH
<b>Predicted molecular weight</b>	21 kDa including tags
<b>Amino acids</b>	37 to 217
<b>Tags</b>	His tag C-Terminus

### Specifications

Our **Abpromise guarantee** covers the use of **ab153774** in the following tested applications.

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

<b>Applications</b>	SDS-PAGE HPLC
<b>Form</b>	Lyophilized

### Preparation and Storage

<b>Stability and Storage</b>	<p>Shipped at 4°C. The lyophilized protein is stable for a few weeks at room temperature. Store at -20°C long term.</p> <p>pH: 7.40</p> <p>Constituents: 99% Phosphate Buffer, 0.88% Sodium chloride</p>
<b>Reconstitution</b>	<p>Always centrifuge tubes before opening. Do not mix by vortex or pipetting.</p> <p>It is not recommended to reconstitute to a concentration less than 100 µg/ml.</p> <p>Dissolve the lyophilized protein in 1X PBS.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>

## General Info

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<b>Function</b>	Involved in lifespan determination in ubiquinone-independent manner. Involved in ubiquinone biosynthesis. Potential central metabolic regulator.
<b>Tissue specificity</b>	Expressed dominantly in heart and skeletal muscle.
<b>Pathway</b>	Cofactor biosynthesis; ubiquinone biosynthesis.
<b>Sequence similarities</b>	Belongs to the COQ7 family.
<b>Cellular localization</b>	Mitochondrion inner membrane. Synthesized as a preprotein that is imported into the mitochondrial matrix, where the sequence is cleaved off and the mature protein becomes loosely associated with the inner membrane.

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

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