

## Recombinant Human COQ10B Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** COQ10B-5321H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | COQ10B MS Standard C13 and N15-labeled recombinant protein (NP_079423) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                 |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>      | COQ10B (Coenzyme Q10B) is a Protein Coding gene. Diseases associated with COQ10B include Autosomal Dominant Non-Syndromic Intellectual Disability 2. Among its related pathways are Respiratory electron transport, ATP synthesis by chemiosmotic coupling, and heat production by uncoupling proteins. and Metabolism. An important paralog of this gene is COQ10A. |
| <b>Molecular Mass</b>   | 27.1 kDa                                                                                                                                                                                                                                                                                                                                                             |
| <b>AA Sequence</b>      | MAARTGHTALRRVVS GCRPKSATAAGA QAPVRNGRYL ASCGILMSRTLPLHTSILPK<br>EICARTFFKITAPLINKRKEYSERRILGYSMQEMYDVVSGVEDYKH FVPWCKKSDVIS<br>KRSGYCKTRLEIGFPPVLERYTSVVTLVKPHLVKASCTDGR LFNHLETIWRFSPLP<br>GYPRCTCTLDFSISFEFRSLLHSQ LATLFFDEVVKQMVA AFERRACKLYGPETNIPREL<br>MLHEVHHHTTRTRPLEQKLISEEDLAANDILDYKDDDDKV                                                                |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                          |
| <b>Stability</b>        | Stable for 3 months from receipt of products under proper storage and handling                                                                                                                                                                                                                                                                                       |

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conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** COQ10B coenzyme Q10B [ Homo sapiens (human) ]

**Official Symbol** COQ10B

**Synonyms** COQ10B; coenzyme Q10 homolog B (S. cerevisiae); coenzyme Q10 homolog B (yeast); coenzyme Q-binding protein COQ10 homolog B, mitochondrial; FLJ13448;

**Gene ID** 80219

**mRNA Refseq** NM\_025147

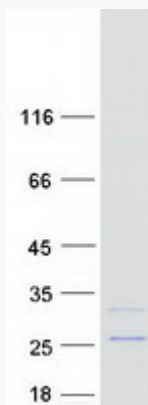
**Protein Refseq** NP\_079423

**UniProt ID** Q9H8M1

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**SDS-PAGE**

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