

Recombinant Human COQ3 protein, GST-tagged

Cat. No. COQ3-6754H Lot. No. (See product label)

SPECIFICATION

| | |
|-------------------------|--|
| Product Overview | Recombinant Human COQ3 protein(174-369 aa), fused with N-terminal GST tag, was expressed in E.coli. |
| Species | Human |
| Source | E.coli |
| ProteinLength | 174-369 aa |
| Form | The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 100 mM reduced glutathione (GSH). |
| AASequence | IDPVDENIKTAQCHKSFDPVLDKRIEYRVCSLEEIVEETAETFDVAVASEVVEHVLDLE TFLQCCCQVLKPGGSLFITTINKTQLSYALGIVFSEQIASIVPKGTHTWKFKVSPETLE SILESNGLSVQTVVGMLYNPFSGYWHWSENTSLNYAAYAVKSRVQEHPASAEFVLK GETEELQANACTNPAVHEKLLK |
| Purity | 80%, by SDS-PAGE with Coomassie Brilliant Blue staining. |
| Storage | Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles. |

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Reconstitution

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

Gene Name

COQ3 coenzyme Q3 homolog, methyltransferase (*S. cerevisiae*) [*Homo sapiens*]

Official Symbol

COQ3

Synonyms

COQ3; coenzyme Q3 homolog, methyltransferase (*S. cerevisiae*); coenzyme Q3 homolog, methyltransferase (yeast); hexaprenyldihydroxybenzoate methyltransferase, mitochondrial; bA9819.1; polyprenyldihydroxybenzoate methyltransferase; DHHB-MT; DHHB-MTase; DHHB methyltransferase; methyltransferase COQ3; 2-polyprenyl-6-hydroxyphenyl methylase; 3-demethylubiquinone-10 3-methyltransferase; dihydroxyhexaprenylbenzoate methyltransferase; 3,4-dihydroxy-5-hexaprenylbenzoate methyltransferase; DHHBMT; DHHBMTASE; UG0215E05;

Gene ID

51805

mRNA Refseq

NM_017421

Protein Refseq

NP_059117

MIM

605196

UniProt ID

Q9NZJ6

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SDS-PAGE



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