

Recombinant Human COQ3 protein, His-tagged

Cat. No. COQ3-6755H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human COQ3 protein(174-369 aa), fused with N-terminal His 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 7.4). 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 300 mM imidazole.
AASequence	IDPVDENIKTAQCHKSFDPVLDKRIEYRVCSLEEIVEETAETFDVAVASEVVEHVIDLE TFLQCCCQVLKPGGSLFITTINKTQLSYALGIVFSEQIASIVPKGHTHTWEK FVSPETLE SILESNGLSVQTVVGMLYNPFSGYWHWSENTSLNYAAYAVKSRVQEHPASAEFVLK GETEELQANACTNPAVHEKLKK
Purity	85%, 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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

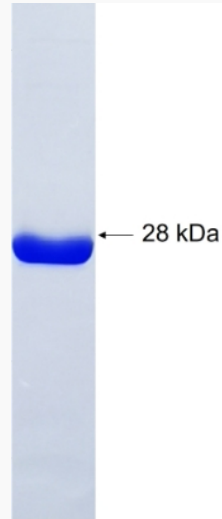
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SDS-PAGE



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