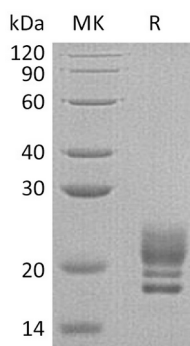


概述 (Summary)

英文全称	Ubiquinone biosynthesis protein COQ7 homolog/COQ7
纯度 (Purity)	Greater than 95% as determined by reducing SDS-PAGE
内毒素 (Endotoxin level)	<1 EU/μg as determined by LAL test.
蛋白构建 (Construction)	Recombinant Human 5-demethoxyubiquinone Hydroxylase, Mitochondrial is produced by our Mammalian expression system and the target gene encoding Ser37-Leu217 is expressed with a 6His tag at the C-terminus.
Accession #	Q99807
蛋白标签 (Tag)	
表达宿主 (Host)	Human Cells
种属 (Species)	Human
预测分子量 (Predicted MW)	21.34 KDa
蛋白形态 (Form)	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
储存缓冲液 (Buffer)	
运输方式 (Shipping)	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
稳定性&储存 (Stability &Storage)	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
复溶 (Reconstitution)	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

电泳图 (SDS-PAGE image)

Product Name: Recombinant Human COQ7 (C-6His)
Catalog #: PHH1776



背景 (Background)

分子别名 (Alternative Names)

Ubiquinone Biosynthesis Protein COQ7 Homolog; Coenzyme Q Biosynthesis Protein 7 Homolog; Timing Protein Clk-1 Homolog; COQ7

背景介绍 (References)

Ubiquinone Biosynthesis Protein COQ7 Homolog (COQ7) is a mitochondrion inner membrane and peripheral membrane protein which belongs to the COQ7 family. It is expressed dominantly in heart and skeletal muscle. COQ7 is 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. COQ7 is involved in lifespan determination in ubiquinone-independent manner and also involved in ubiquinone biosynthesis. COQ7 is potential central metabolic regulator. Human COQ7 protein contains 179 amino acids, is mostly helical, and contains an alpha-helical membrane insertion. It has been shown that mutations in the gene are associated with increased life span. Defects of the gene slow down a variety of developmental and physiological processes, including the cell cycle, embryogenesis, post-embryonic growth, rhythmic behaviors and aging.

注意事项 (Note)

For Research Use Only , Not for Diagnostic Use.