

32-9055: Recombinant Human COQ7 (C-6His)

Alternative Name : Ubiquinone Biosynthesis Protein COQ7 Homolog; Coenzyme Q Biosynthesis Protein 7 Homolog; Timing Protein Clk-1 Homolog; 5-demethoxyubiquinone hydroxylase; COQ7

Description

Source : Human Cells;

Ubiquinone Biosynthesis Protein COQ7 Homolog is a mitochondrion inner membrane and peripheral membrane protein that belongs to the COQ7 family. It is expressed primarily in heart and skeletal muscle. COQ7 is synthesized as a preprotein that is transmitted into the mitochondrial matrix, where the sequence is cleaved off and the mature protein becomes loosely associated with the inner membrane. COQ7 plays a role in lifespan determination in ubiquinone-independent manner, as well as ubiquinone biosynthesis. COQ7 also acts as a potential central metabolic regulator. 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.

Product Info

Amount : 500 µg / 50 µg

Content : Supplied as a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4

Amino Acid : 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.