

**COQ9, 45-318aa, Human, His tag, E.coli**

**Cat.NO.: TP01691**

3th Edition

**Synonyms:** ubiquinone biosynthesis protein COQ9, mitochondrial, C16orf49, COQ10D5

**Description:** COQ9 also known as ubiquinone biosynthesis protein COQ9. This locus represents a mitochondrial ubiquinone biosynthesis gene. This protein is likely necessary for biosynthesis of coenzyme Q10, as mutations at this locus have been associated with autosomal-recessive neonatal-onset primary coenzyme Q10 deficiency. Recombinant human COQ9, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:** Liquid, In Phosphate buffered saline (pH7.4) containing 10% glycerol, 1mM DTT

**Molecular Weight:** 33.3kDa (297aa) confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMGSRSSDEKQKQPPNSFSQQHSETQGAEKPDPESSHSPPRYTDQGGEEEEEDY  
ESEEQLQHRILTAALFVPAHGWTAEAIAEGAQSLGLSSAAASMFVKDGSSELILHFVTQCNTLRVLEEEQKLVQL  
GQAEKRKTDQFLRDAVETRLRMLIPYIEHWPRALSILMLPHNIPSSLSLLTSMVDDMWHYAGDQSTDFNWWYTRRAM  
LAAIYNTTELVMQDSSPDFEDTWRFLNVRVNDAMNMGHTAKQVKSTGEALVQGLMGAAVTLKNLTGLNQRR

**Purity:** > 95% by HPLC

**Concentration:** 1mg/ml (determined by Bradford assay)

**Endotoxin Level:** <1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.