

Recombinant human COQ9 protein

Catalog Number: ATGP3042

PRODUCT INFORMATION

Expression system

E.coli

Domain

45-318aa

UniProt No.

O75208

NCBI Accession No.

NP_064708

Alternative Names

ubiquinone biosynthesis protein COQ9 mitochondrial, ubiquinone biosynthesis protein COQ9, mitochondrial, C16orf49, COQ10D5

PRODUCT SPECIFICATION

Molecular Weight

33.3 kDa (297aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol, 1mM DTT

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

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Amino acid Sequence

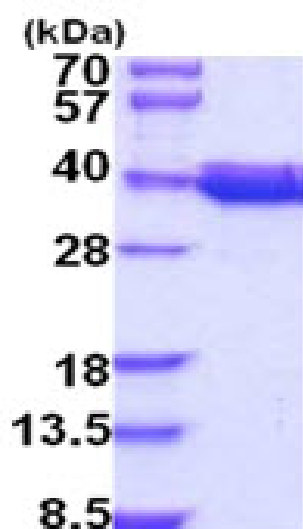
MGSSHHHHHH SGLVPRGSH MGSRSSDEQK QQPPNSFSQQ HSETQGAKEP DPESHSPPR YTDQGGEEEE
DYEEELQLQH RILTAALFV PAHGWTAEAI AEGAQSLGLS SAAASMFGKD GSELILHFVT QCNTRLTRVL EEEQKLVQLG
QAEKRKTDQF LRDAVETRLR MLIPYIEHWP RALSILMLPH NIPSSLSLLT SMVDDMWHYA GDQSTDFNWX TRRAMLAAY
NTTELVMMQD SSPDFEDTWR FLENRVNDAM NMGHTAKQVK STGEALVQGL MGAAVTLKLN TGLNQRR

General References

Duncan AJ., et al. (2009) Am. J. Hum. Genet. 84 (5), 558-566

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)