

Recombinant human COQ9 protein

Catalog Number: IBATGP3042



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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

Manufactured for:

Immuno-Biological Laboratories, Inc. (IBL-America)
8201 Central Ave. NE, Suite P, Minneapolis, Minnesota 55432, USA
Phone: (888) 523-1246 Fax: (763) 780-2988
Email: info@ibl-america.com Web: www.ibl-america.com

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Amino acid Sequence

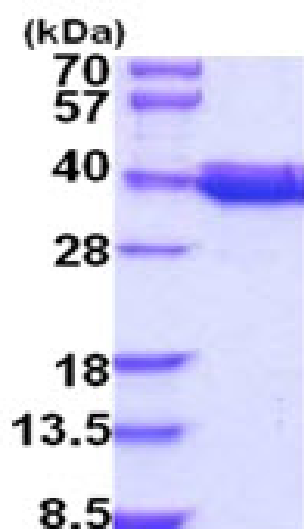
MGSSHHHHHH SSGLVPRGSH MGSRSSDEQK QQPPNSFSQQ HSETQGAKEP DPESHSPPR YTDQGEEEE
DYESEEQLQH RILTAALFV PAHGWTAEAI AEGAQSLGLS SAAASMFGKD GSELILHFVT QCNTRLTRVL EEEQKLVQLG
QAEKRKTDQF LRDAVETRLR MLIPYIEHWP RALSILMLPH NIPSSLSLT SMVDDMWHYA GDQSTDFNWX TRRAMLAAY
NTTELVMMQD SSPDFEDTWR FLENRVNDAM NMGHTAKQVK STGEALVQGL MGAAVTLKNL 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)

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