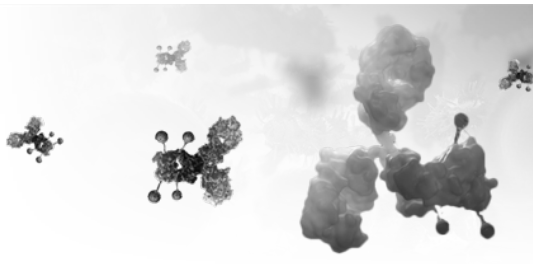

Human COQ10B peptide (DAG-P0315)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	COQ10 (Coenzyme Q10) is found in a wide variety of foods and is synthesized in all tissues. The de novo biosynthesis of COQ10, from its precursor tyrosine, is a multistage process that requires at least eight vitamins and several trace elements. More complex enzymes have an absolute dependancy on 'cofactors', a large group of molecules to which the coenzymes belong, for their catalyitic function. Coenzyme Q10 is the cofactor for, but not limited to, several mitochondrial enzymes that are central to the supply of adenosine triphosphate (ATP). In addition, COQ10 in its reduced form is a potent antioxidant, and in this capacity, a reduction in COQ10 levels are associtated with a variety of degenerative process including skin aging and neurodegenerative conditions such as Alzhiemer's, Huntingdon's and Parkinson's diseases.
Conjugate	Unconjugated
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	COQ10B coenzyme Q10 homolog B (S. cerevisiae) [Homo sapiens (human)]
Official Symbol	COQ10B
Synonyms	COQ10B; coenzyme Q10 homolog B (S. cerevisiae); coenzyme Q-binding protein COQ10 homolog B, mitochondrial;
Entrez Gene ID	80219
mRNA Refseq	NM_025147.3

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Protein Refseq	NP_079423.1
UniProt ID	Q9H8M1
Chromosome Location	2q33.1

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