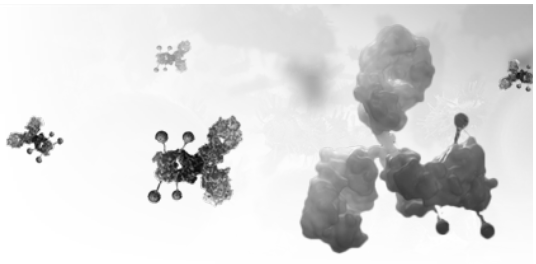

Human APOC2 peptide (DAG-P0097)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a lipid-binding protein belonging to the apolipoprotein gene family. The protein is secreted in plasma where it is a component of very low density lipoprotein. This protein activates the enzyme lipoprotein lipase, which hydrolyzes triglycerides and thus provides free fatty acids for cells. Mutations in this gene cause hyperlipoproteinemia type IB, characterized by hypertriglyceridemia, xanthomas, and increased risk of pancreatitis and early atherosclerosis. This gene is present in a cluster with other related apolipoprotein genes on chromosome 19. Naturally occurring read-through transcription exists between this gene and the neighboring upstream apolipoprotein C-IV (APOC4) gene. [provided by RefSeq, Mar 2011]
Purity	70 - 90% by HPLC.
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	APOC2 apolipoprotein C-II [Homo sapiens (human)]
Official Symbol	APOC2
Synonyms	APOC2; apolipoprotein C-II; APO-CII; APOC-II; apolipoprotein C2;
Entrez Gene ID	344
mRNA Refseq	NM_000483.4

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Protein Refseq	NP_000474.2
UniProt ID	P02655
Chromosome Location	19q13.2
Pathway	Chylomicron-mediated lipid transport, organism-specific biosystem; Disease, organism-specific biosystem; Diseases associated with visual transduction, organism-specific biosystem; HDL-mediated lipid transport, organism-specific biosystem; Lipid digestion, mobilization, and transport, organism-specific biosystem; Lipoprotein metabolism, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem; Retinoid metabolism and
Function	lipase inhibitor activity; lipid binding; lipoprotein lipase activator activity; phospholipase activator activity; phospholipase binding; protein homodimerization activity;

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