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Datasheet for ABIN1691363  
**APOA4 Protein (AA 21-396) (His tag)**

Overview

Quantity:	50 µg
Target:	APOA4
Protein Characteristics:	AA 21-396
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This APOA4 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Apolipoprotein A-IV/ApoA4 (C-6His)
Sequence:	<p>EVSADQVATV MWDYFSQLSN NAKEAVEHLQ KSELTQQLNA LFQDKLGEVN TYAGDLQKKL VPFATELHER LAKDSEKLKE EIGKELEELR ARLLPHANEV SQKIGDNLRE LQQRLEPYAD QLRTQVNTQA EQLRRQLTPY AQRMERVLRE NADSLQASLR PHADELKAKI DQNVEELKGR LTPYADEFKV KIDQTV EELR RSLAPYAQDT QEKLNHQLEG LTFQMKKNAE ELKARISASA EELRQLAPL AEDVRGNLRG NTEGLQKSLA ELGGHLDQQV EEFRRRVEPY GENFNKALVQ QMEQLRQKLG PHAGDVEGHL SFLEKDLRDK VNSFFSTFKE KESQDKTSLSL PELEQQQEQQ QEQQQEQQVM LAPLESVDHH HHHH</p>
Characteristics:	Recombinant Human Apolipoprotein A4/APOA4 is produced with our mammalian expression system in human cells. The target protein is expressed with sequence (Glu21-Ser396) of Human APOA4 fused with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.

## Product Details

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Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

## Target Details

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Target:	APOA4
Alternative Name:	Apolipoprotein-A-IV ( <a href="#">APOA4 Products</a> )
Sub Type:	Fusionprotein
Background:	<p>Apolipoprotein A4 (APOA4) is a secreted protein that belongs to the apolipoprotein A1/A4/E family. ApoA-IV is a major component of HDL and chylomicrons. APOA4 is secreted into circulation on the surface of newly synthesized chylomicron particles. APOA4 play a role in the regulation of appetite and satiety in rodent models. APOA4 involved in chylomicrons and VLDL secretion and catabolism and required for efficient activation of lipoprotein lipase by ApoC-II. In addition, APOA4 is a potent activator of lecithin-cholesterol acyltransferase in vitro.</p> <p>Alternative Names: Apolipoprotein A-IV, Apo-AIV, ApoA-IV, Apolipoprotein A4, APOA4</p>
Molecular Weight:	44.44 kDa
UniProt:	<a href="#">P06727</a>
Pathways:	<a href="#">Lipid Metabolism</a>

## Application Details

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Restrictions:	For Research Use only
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## Handling

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Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH<sub>2</sub>O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.

## Handling

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Reconstituted protein solution can be stored at 4-7°C for 2-7 days.

Aliquots of reconstituted samples are stable at < -20°C for 3 months.

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Expiry Date: 3 months