

# Recombinant Human ApoA4

Catalog No: CA08

<b>Description</b>	Recombinant Human Apolipoprotein A-IV is produced by our Mammalian expression system and the target gene encoding Glu21-Ser396 is expressed with a 6His tag at the C-terminus.
<b>Source</b>	Human Cells
<b>Alternative name</b>	Apolipoprotein A-IV; Apo-AIV; ApoA-IV; Apolipoprotein A4; APOA4
<b>Accession No.</b>	P06727
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.
<b>Quality Control</b>	Purity: Greater than 95% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
<b>Storage</b>	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. 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.

## Amino Acid Sequence

EVSADQVATVMWDYFSQLSNNAKEAVEHLQKSELTTQQLNALFQDKLGEVNTYAGDLQKKLVFPATELHE  
RLAKDSEKLKEEIGKELEELRARLLPHANEVSQKIGDNLRELQQRLEPYADQLRTQVNTQAEQLRRQLTP  
YAQRMERVLRENADSLQASLRPHADELKAKIDQNVEELKGRLTPYADEFKVKIDQTVEELRRSLAPYAQD  
TQEKLNHQLEGLTFQMKNNAEELKARISASAEELRQRLAPLAEDVRGNLRGNTEGLQKSLAELGGHLDQ  
QVEEFRRRVEPYGENFNKALVQQMEQLRQKLGPAGDVEGHLSFLEKDLRDKVN  
SFFSTFKEKESQDKTSLPELEQQEQQQEQQQEQVQMLAPLESVDHHHHHH

## Background

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.

## SDS-Page

