

Recombinant Human ApoA4

Catalog No: CA08

Description 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.

Source Human Cells

Alternative name Apolipoprotein A-IV; Apo-AIV; ApoA-IV; Apolipoprotein A4; APOA4

Accession No. P06727

Formulation Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.

Quality Control 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.

Shipping The product is shipped at ambient temperature.

Upon receipt, store it immediately at the temperature listed below.

Storage 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.

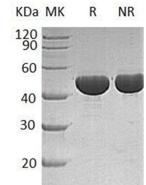
EVSADQVATVMWDYFSQLSNNAKEAVEHLQKSELTQQLNALFQDKLGEVNTYAGDLQKKLVPFATELHE RLAKDSEKLKEEIGKELEELRARLLPHANEVSQKIGDNLRELQQRLEPYADQLRTQVNTQAEQLRRQLTP

YAQRMERVLRENADSLQASLRPHADELKAKIDQNVEELKGRLTPYADEFKVKIDQTVEELRRSLAPYAQD TQEKLNHQLEGLTFQMKKNAEELKARISASAEELRQRLAPLAEDVRGNLRGNTEGLQKSLAELGGHLDQ

QVEEFRRRVEPYGENFNKALVQQMEQLRQKLGPHAGDVEGHLSFLEKDLRDKVN SFFSTFKEKESQDKTLSLPELEQQQEQQQEQQQEQVQMLAPLESVDHHHHHH

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.



14

SDS-Page

Amino Acid Sequence

Background

