

Recombinant Human APOA4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. APOA4-1718H Lot. No. (See product label)

SPECIFICATION

Product Overview

APOA4 MS Standard C13 and N15-labeled recombinant protein (NP_000473) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

Description

Apolipoprotein (apo) A-IV gene contains 3 exons separated by two introns. A sequence polymorphism has been identified in the 3'UTR of the third exon. The primary translation product is a 396-residue preprotein which after proteolytic processing is secreted its primary site of synthesis, the intestine, in association with chylomicron particles. Although its precise function is not known, apo A-IV is a potent activator of lecithin-cholesterol acyltransferase in vitro.

Molecular Mass

45.4 kDa

AA Sequence

MFLKAVVLTALVAVAGARAEVSADQVATVMWDYFSQLSNAKEAVEHLQKSELTQ
 QLNALFQDKLGEVNTYAGDLQKKLVFATELHERLAKDSEKLKEEIGKELEELRARLL
 PHANEVSQKIGDNLRELQQRLEPYADQLRTQVNTQAEQLRRQLTPYAQRMERVLR
 ENADSLQASLRPHADELKAKIDQNVEELKGRLTPYADEFKVKIDQTV EELRRSLAPY
 AQDTQEKLNHQLEGLTFQMKKNAEELKARISASAEELRQLAPLAEDVRGNLRGNT
 EGLQKSLAELGGHLDQQVEEFRRRVEPYGENFNKALVQQMEQLRQKLGPHAGDVE
 GHLSFLEKDLRDKVNSFFSTFKEKESQDKTSLPELEQQQEQQQEQQQEQVQMLA

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PLESTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name APOA4 apolipoprotein A-IV [Homo sapiens (human)]

Official Symbol APOA4

Synonyms APOA4; apolipoprotein A-IV; apo-AIV; apoA-IV; apolipoprotein A4; MGC142154; MGC142156;

Gene ID 337

mRNA Refseq NM_000482

Protein Refseq NP_000473

MIM 107690

UniProt ID P06727

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SDS-PAGE



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