

32-7741: Recombinant Human Apolipoprotein A-IV/ApoA4 (C-6His)

Gene : APOA4
Uniprot ID : P06727

Description

Source: Human Cells.
MW :44.44kD.

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. 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.

Product Info

Amount : 10 µg / 50 µg
Content : Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.
Storage condition : 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 : EVSADQVATVMWDYFSQLSNNAKEAVEHLQKSEL TQQNLALFQDKLGEVNTYAGDLQKKLVPFATELHERLA
KDSEKLKEEIGKELEELRARLLPHANEVSQKIGDNLRELQQRLEPYADQLRTQVNTQAEQLRRQLTPYAQRMER
VLRENADSLQASLRPHADELKAKIDQNVEELKGR LTPYADEFKVKIDQTVEELRRSLAPYAQDTQEKLNHQLEG
LTFQMKKNAEELKARISASAEELRQRLAPLAEDVRGNLRGNT EQLQKSLAELGGHLDQQVEEFRRRVEPYGEN
FNKALVQQMEQLRQKLGPHAGDVEGHLSFLEKDLRDKVNSFFSTFKEKESQDKTSLPELEQQQEQQQEQQQ
EQVQMLAPLESVDHHHHHH

Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.