APOA2

Apolipoprotein A-II is a protein that in humans is encoded by the *APOA2* gene.[1]

1 Function

This gene encodes apolipoprotein (apo-) A-II, which is the second most abundant protein of the high density lipoprotein particles. The protein is found in plasma as a monomer, homodimer, or heterodimer with apolipoprotein D. Defects in this gene may result in apolipoprotein A-II deficiency or hypercholesterolemia.[2]

2 Interactions

APOA2 has been shown to interact with PLTP.[3]

3 Interactive pathway map

Click on genes, proteins and metabolites below to link to respective articles. [§ 1]

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Statin Pathway edit

[1] The interactive pathway map can be edited at WikiPathways: "Statin_Pathway_WP430".

4 References

[1] Tsao YK, Wei CF, Robberson DL, Gotto AM, Chan L (Dec 1985). "Isolation and characterization of the human apolipoprotein A-II gene. Electron microscopic analysis of RNA:DNA hybrids, nucleotide sequence, identification of a polymorphic MspI site, and general structural organization of apolipoprotein genes". *The Journal of Biological Chemistry* **260** (28): 15222–31. PMID 2415515.

The image above contains clickable links

[2] "Entrez Gene: APOA2 apolipoprotein A-II".

[3] Pussinen PJ, Jauhiainen M, Metso J, Pyle LE, Marcel YL, Fidge NH, Ehnholm C (Jan 1998). "Binding of phospholipid transfer protein (PLTP) to apolipoproteins A-I and A-II: location of a PLTP binding domain in the amino terminal region of apoA-I". *Journal of Lipid Research* **39** (1): 152–61. PMID 9469594.

5 Further reading

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