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CETP 1 Allele

National Cancer Institute

Source

National Cancer Institute. *CETP 1 Allele*. NCI Thesaurus. Code C45681.

Expressed in liver, human CETP B1 Allele is a variant form of CETP Gene (BPI/LBP Family), which encodes Cholesterol Ester Transfer Protein, a secreted plasma protein involved in the transfer of insoluble cholesteryl esters among lipoproteins in the reverse transport of cholesterol, a vital step in normal cholesterol metabolism and homeostasis. HDL cholesterol concentration is inversely related to the risk of coronary artery disease. CETP has a central role in HDL metabolism and may affect susceptibility to atherosclerosis; defects cause CETP deficiency. CETP B1 contains a polymorphic TaqI restriction site in intron 1, absent in CETP B2. B2 individuals show lower CETP activity and concentrations and higher plasma HDL-cholesterol; the B1 variant is associated with higher CETP and lower HDL-cholesterol. Atherosclerotic progression is more prevalent in B1 subjects than B2 subjects.