

Native Human Apolipoprotein All protein

Cat. No. APOA2-4772H Lot. No. (See product label)

SPECIFICATION

Product Overview	Native Human Apolipoprotein All protein was purified from Human Plasma.
Species	Human
Source	Human Plasma
Description	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.
Form	Frozen in 10 mM NH ₄ HCO ₃ , pH 7.4
Molecular Mass	17400
Purity	>=95% by SDS-PAGE.
Notes	Prepared from plasma shown to be non reactive for HBsAg, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2 by FDA approved tests.
Storage	Store at -70 centigrade or lower

GENE INFORMATION

Gene Name	APOA2 apolipoprotein A-II [Homo sapiens]
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Official Symbol	APOA2
Synonyms	APOA2; apolipoprotein A-II; apolipoprotein A2; apoAII; Apo-AII; ApoA-II;
Gene ID	336
mRNA Refseq	NM_001643
Protein Refseq	NP_001634
UniProt ID	P02652
Chromosome Location	1q21-q23
Pathway	Chylomicron-mediated lipid transport, organism-specific biosystem; Fatty acid, triacylglycerol, and ketone body metabolism, organism-specific biosystem; Lipid digestion, mobilization, and transport, organism-specific biosystem; Lipoprotein metabolism, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem; PPAR signaling pathway, organism-specific biosystem;
Function	apolipoprotein receptor binding; cholesterol binding; contributes_to cholesterol transporter activity; high-density lipoprotein particle binding; high-density lipoprotein particle receptor binding; lipase inhibitor activity; lipid binding; lipid transporter activity; phosphatidylcholine binding; phosphatidylcholine-sterol O-acyltransferase activator activity; phospholipid binding; protein binding; protein heterodimerization activity; protein homodimerization activity;