

32-20010: Recombinant Human Apo-SAA(Discontinued)

Alternative Name : Serum amyloid A protein (SAA), Serum amyloid A apolipoprotein, Amyloid fibril protein AA, TP53I4, PIG4

Description

Source: E.coli

Human Apo-SAA is a 104 amino acid polypeptide that circulates primarily in association with high-density lipoproteins (HDL). The level of Apo-SAA, normally 1-5 μ g/ml in plasma, increases 500-1000 fold within 24 hours of an inflammatory stimulus and, under these conditions, is the most abundant HDL apolipoprotein. The human SAA gene codes for a 122 amino acid polypeptide, which contains an 18 amino acid N-terminal signal sequence. Recombinant Apo-SAA is a consensus SAA molecule corresponding to human Apo-SAA1Alpha, except for the presence of an N-terminal methionine, the substitution of asparagine for aspartic acid at position 60, and arginine for histidine at position 71 (the latter two substituted residues are present in Apo-SAA2Beta). The calculated molecular weight of Recombinant Human Apo-SAA is 11.7 kDa.

Product Info

Amount : 10 μ g / 50 μ g

Purification : Purity: \geq 98% by SDS-PAGE gel and HPLC analyses.

Amino Acid : MRSFFSFLGE AFDGARDMWR AYSDMREANY IGSDKYFHAR GNYDAAKRGV GGVWAAEAI
S NARENIQRFF GRGAEDSLAD QAANEWGRSG KDPNHFRPAG LPEKY

Application Note

Tested by its ability to down-regulate lipid biosynthesis in aortic smooth muscle cells. The effective concentration was found to be 4 μ M.