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Recombinant Human Apo-SAA

Description: 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 µg/ml in plasma, increases 500-1000 fold within 24 hours of an inflammatory stimulus and, under these conditions, is the most abundant HDL apo-lipoprotein. 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 and substitution of asparagine for aspartic acid at position 60 and arginine for histidine at position 71 (the later two substituted residues are present in apo-SAA2beta).

Source:	E. coli
Molecular Weight:	~11.4 kDa
Purity:	> 98% by SDS-PAGE and HPLC analyses
Endotoxin level:	< 0.1 ng per µg of Apo-SAA
Stabilizer:	none
Formulation:	lyophilized

Biological Activity: For most in vitro applications, apo-SAA exerts its biological activity in the concentration range of 10-50 µg/ml.

Reconstitution: The human Apo-SAA should be reconstituted in 5 mM Tris, pH 7.8. This solution can be diluted in water or other buffer solutions or stored at -20°C.

Stability: The lyophilized protein is stable for a few weeks at room temperature, but best stored at -20°C. Reconstituted Human Apo-SAA should be stored in working aliquots at -20°C. **Avoid repeated freeze-thaw cycles.**

Usage: Human Apo-SAA offered for research use. Not for drug use. **Not for human use.**

Catalogue number: 100-127

Size: 50 µg

****please note: always centrifuge product before opening Vial.****