

## Serum Amyloid A (APO-SAA) Human Recombinant

<b>Item Number</b>	rAP-0736
<b>Synonyms</b>	
<b>Description</b>	APO-SAA Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 104 amino acids and having a molecular mass of 11.7kDa. Recombinant Apo-SAA is a consensus SAA molecule corresponding to human Apo-SAA1a, except for the presence of an N-terminal methionine, the
<b>Uniprot Accession Number</b>	
<b>Amino Acid Sequence</b>	RSFFSFLGGEA FDGARDMWRA YSDMREANYI GSDKYFHARG NYDAAKRGPG GVWAAEAI SN AR-ENIQRFFG RGAEDSLADQ AANEWGRSGK DPNHFRPAGL PEKY.
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Human SAA although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Human SAA should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.
<b>Formulation and Purity</b>	Human SAA was lyophilized from a concentrated (1mg/ml) solution in 20mM Tris-HCl, pH 9.0 and 150mM NaCl. Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	It is recommended to reconstitute the lyophilized SAA Human in sterile 18M-cm H <sub>2</sub> O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
<b>Biological Activity</b>	The biological activity determined by its ability to down-regulate lipid biosynthesis in aortic smooth muscle cells. The effective concentration was found to be 4µM.
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**