

Human SAA Recombinant Protein



RPPB0941

Product Information Protein Information

Product SKU:

RPPB0941

Host:

Escherichia Coli.

Protein description:

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 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-SAA2b). The Human APO-SAA is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation:

Human SAA was lyophilized from a concentrated (1mg/ml) solution in 20mM Tris-HCl, pH 9.0 and 150mM NaCl.

Purity:

Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized SAA Human in sterile 18M-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

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.

Amino Acid Sequence:

RSFFSFLGEA FDGARDMWRA YSDMREANYI GSDKYFHARG NYDAAKRGPG GWWAAEAISN ARENIQRFFG
RGAEDSLADQ AANEWGRSGK DPNHFRPAGL PEKY.

Biological Activity:

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.