

Recombinant Human Apo-SAA

Cat. No. Apo-SAA-3552H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Apo-SAA
Species	Human
Source	E.coli
ProteinLength	122
Description	This gene encodes a member of the serum amyloid A family of apolipoproteins. The encoded protein is a major acute phase protein that is highly expressed in response to inflammation and tissue injury. This protein also plays an important role in HDL metabolism and cholesterol homeostasis. High levels of this protein are associated with chronic inflammatory diseases including atherosclerosis, rheumatoid arthritis, Alzheimer's disease and Crohn's disease. This protein may also be a potential biomarker for certain tumors. Alternate splicing results in multiple transcript variants that encode the same protein. A pseudogene of this gene is found on chromosome 11.
Form	Lyophilized
Molecular Mass	13,532 Da
Purity	>98% by SDS-PAGE & HPLC analyses
Notes	Small volumes of Apo-SAA recombinant protein may occasionally become entrapped

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in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container's cap. Certain products may require to ship with dry ice.

Warning

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GENE INFORMATION

Gene Name [SAA1 serum amyloid A1 \[Homo sapiens \]](#)

Official Symbol SAA1

Synonyms

SAA; PIG4; SAA2; TP53I4; serum amyloid A-1 protein; serum amyloid A protein; tumor protein p53 inducible protein 4

Gene ID [6288](#)

mRNA Refseq [NM_000331](#)

Protein Refseq [NP_000322](#)

MIM [104750](#)

UniProt ID [P0DJ18](#)

Chromosome Location 11p15.1

Pathway

Activated TLR4 signalling, organism-specific biosystem; Amyloids, organism-specific biosystem

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Function	G-protein coupled receptor binding
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