

Recombinant Human SAA1

Cat. No. SAA1-31162TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human Serum Amyloid A produced in <i>Saccharomyces cerevisiae</i> ; 122 amino acids, 11.7 kDa. Protein is tagged with 26 kDa proprietary tag.
Species	Human
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, Alzheimers 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.
Tissue specificity	Expressed by the liver; secreted in plasma.
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 30% Glycerol, 0.5% Triton-X-100, 50mM HEPES, 30mM Glutathione, 100mM Sodium chloride, 1mM DTT, pH 7.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

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Sequences of amino acids	MKLLTGLVFCSLVLGVSSRSFFSFLGEAFDGARDMWRAYS DMREANYIGSDKYFH ARGNYDAAKRGPGGVWAAEAISD ARENIQRFFGHGAEDSLADQAANEWGRSGKD PNHFRPA GLPEKY
Sequence Similarities	Belongs to the SAA family.
Full Length	Full L.
GENE INFORMATION	
Gene Name	SAA1 serum amyloid A1 [Homo sapiens]
Official Symbol	SAA1
Synonyms	SAA1; serum amyloid A1; SAA; serum amyloid A protein; PIG4; TP53I4;
Gene ID	6288
mRNA Refseq	NM_000331
Protein Refseq	NP_000322
MIM	104750
Uniprot ID	P02735
Chromosome Location	11p15.1
Pathway	Activated TLR4 signalling, organism-specific biosystem; Advanced glycosylation endproduct receptor signaling, organism-specific biosystem; Amyloids, organism-

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specific biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; Folate Metabolism, organism-specific biosystem;

Function

G-protein coupled receptor binding;

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