

Recombinant Full Length Human SAA1 Protein, C-Flag-tagged

Cat. No. SAA1-73HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human SAA1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a member of the serum amyloid A family of apolipoproteins. The encoded preprotein is proteolytically processed to generate the mature protein. This 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. Finally, antimicrobial activity against <i>S. aureus</i> and <i>E. coli</i> resides in the N-terminal portion of the mature protein. Alternate splicing results in multiple transcript variants that encode the same protein. A pseudogene of this gene is found on chromosome 11.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	13.4 kDa
AA Sequence	MKLLTGLVFCSLVLGVSSRSFFSFLGEAFDGARDMWRAYSMDREANYIGSDKYFHA RGNYDAAKRGPGGVWAAEAISDARENIQRFFGHGAEDSLADQAANEWGRSGKDP

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	NHFRPAGLPEKY TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

GENE INFORMATION

Gene Name	SAA1 serum amyloid A1 [Homo sapiens (human)]
Official Symbol	SAA1
Synonyms	SAA; PIG4; SAA2; TP53I4
Gene ID	6288
mRNA Refseq	NM_000331.6
Protein Refseq	NP_000322
MIM	104750

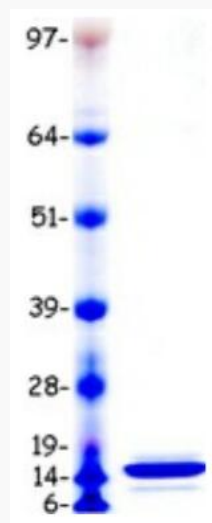
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UniProt ID

P0DJ18



Coomassie blue staining of purified SAA1 protein.

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