

Recombinant Full Length Mouse SAA1 Protein

Cat. No. SAA1-71M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse SAA1 Protein was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	21-122 a.a.
Description	This gene encodes a member of the serum amyloid A family of apolipoproteins. The encoded preproprotein 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 S. aureus and E. coli 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	Supplied as a 0.2 µm filtered solution in 50 mM Tris-HCl, 300 mM NaCl (pH 8.0).
Molecular Mass	~12 kDa
AA Sequence	GFFSFVHEAFQGAGDMWRAYTDMKEANWKNSDKYFHARGNYDAAQRGPGGVWA

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AEKISDGREAFQEFFGRGHEDTIADQEANRHGRSGKDPNYYRPPGLPDKY

Purity

>90%

Storage

Short Term Storage at 4 centigrade, Long Term, please prepare aliquots with 20% glycerol and store at -20 to -80 centigrade. Avoid freeze/thaw cycles.

Concentration

0.1 mg/ml

Official Full Name

Serum amyloid A1

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](#)

Protein Refseq

[NP_000322](#)

MIM

[104750](#)

UniProt ID

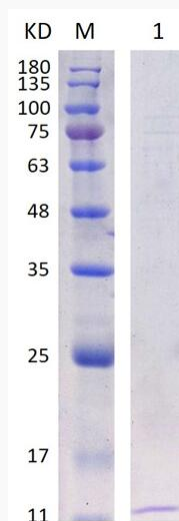
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SDS-PAGE



12% reducing SDS-PAGE analysis of purified Mouse SAA1.