

Product datasheet for **AR09256PU-L**

Serum Amyloid A protein (SAA) (19-122, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Serum Amyloid A protein (SAA) (19-122, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH</u> <u>SSGLVPRGSH</u> MRSFFSFLGE AFDGARDMWR AYSDMREANY IGSDKYFHAR GNYDAAKRGP GGVWAAEAI S DARENIQRFF GHGAEDSLAD QAANEWGRSG KDPNHFRPAG LPEKY
Tag:	His-tag
Predicted MW:	13.9 kDa
Concentration:	lot specific
Purity:	>95% pure by SDS-PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris buffer (pH 8.0) containing 10% Glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant Serum amyloid A protein, fused to <i>His-tag</i> , was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_000322</u>
Locus ID:	6288
UniProt ID:	<u>P02735</u> , <u>P0DJ18</u>
Cytogenetics:	11p15.1
Synonyms:	PIG4; SAA; SAA2; TP5314



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Summary:

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. [provided by RefSeq, Jul 2020]

Product images: