

OriGene Technologies, Inc.

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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 SSGLVPRGSH</u> MRSFFSFLGE AFDGARDMWR AYSDMREANY IGSDKYFHAR GNYDAAKRGP GGVWAAEAIS 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, P0DJI8</u>
Cytogenetics:	11p15.1
Synonyms:	PIG4; SAA; SAA2; TP53I4

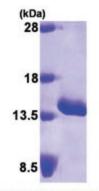


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Serum Amyloid A protein (SAA) (19-122, His-tag) Human Protein – AR09256PU-L

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:



15% SDS-PAGE (3ug)

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