

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

# Product datasheet for TP723019

## Serum Amyloid A (SAA1) (NM\_000331) Human Recombinant Protein

### **Product data:**

Product Type: Recombinant Proteins	
<b>Description:</b> Purified recombinant protein of Human serum amyloid A1 (SAA1), transcript variant substitutions of asparagine for aspartic acid at position 60 and arginine for histidine position 71.	
Species: Human	
Expression Host: E. coli	
Expression cDNA CloneMRSFFSFLGE AFDGARDMWR AYSDMREANY IGSDKYFHAR GNYDAAKRGP GGVWAAEAor AA Sequence:DARENIQRFF GHGAEDSLAD QAANEWGRSG KDPNHFRPAG LPEKY	IS
Tag: Tag Free	
Predicted MW: 11.7 kDa	
Concentration: lot specific	
Purity: >95% as determined by SDS-PAGE and Coomassie blue staining	
<b>Buffer:</b> Lyophilized from a 0.2 μM filtered solution of 20mM phosphate buffer,100mM NaCl	, pH 7.2
Bioactivity:Determined by its ability to chemoattract human monocytes using a concentration10.0-100.0 ng/ml.	range of
<b>Endotoxin:</b> Endotoxin level is < 0.1 ng/μg of protein (< 1 EU/μg)	
Storage: Store at -80°C.	
Stability:Stable for at least 6 months from date of receipt under proper storage and handling conditions.	5
RefSeq:       NP 000322	
Locus ID: 6288	
UniProt ID:       P02735, P0DJI8	
RefSeq Size:678	
Outographics: 11p15 1	
Cytogenetics: 11p15.1	
RefSeq ORF:   366	

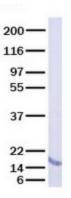


This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

#### Serum Amyloid A (SAA1) (NM\_000331) Human Recombinant Protein – TP723019

Summary:This gene encodes a member of the serum amyloid A family of apolipoproteins. The encoded<br/>preproprotein is proteolytically processed to generate the mature protein. This protein is a<br/>major acute phase protein that is highly expressed in response to inflammation and tissue<br/>injury. This protein also plays an important role in HDL metabolism and cholesterol<br/>homeostasis. High levels of this protein are associated with chronic inflammatory diseases<br/>including atherosclerosis, rheumatoid arthritis, Alzheimer's disease and Crohn's disease. This<br/>protein may also be a potential biomarker for certain tumors. Finally, antimicrobial activity<br/>against S. aureus and E. coli resides in the N-terminal portion of the mature protein. Alternate<br/>splicing results in multiple transcript variants that encode the same protein. A pseudogene of<br/>this gene is found on chromosome 11. [provided by RefSeq, Jul 2020]

#### **Product images:**



This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US