

OriGene Technologies, Inc.

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Product datasheet for TP723019

Serum Amyloid A (SAA1) (NM_000331) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins	
Description: 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	
Buffer: 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
Endotoxin: 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	

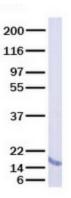


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Summary:This gene encodes a member of the serum amyloid A family of apolipoproteins. The encoded
preproprotein is proteolytically processed to generate the mature protein. This protein is a
major acute phase protein that is highly expressed in response 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:



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