

## 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 RC210664L1V

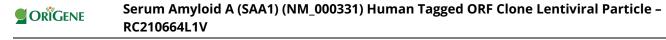
## Serum Amyloid A (SAA1) (NM\_000331) Human Tagged ORF Clone Lentiviral Particle

## **Product data:**

Product Type:	Lentiviral Particles
Product Name:	Serum Amyloid A (SAA1) (NM_000331) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Serum Amyloid A
Synonyms:	PIG4; SAA; SAA2; TP53I4
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_000331
ORF Size:	366 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC210664).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <u>More info</u>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<u>NM 000331.2</u>
RefSeq Size:	678 bp
RefSeq ORF:	369 bp
Locus ID:	6288
UniProt ID:	<u>P02735</u>
Cytogenetics:	11p15.1
MW:	13.5 kDa



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Gene 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]

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