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Product datasheet for RC202738L1V

Serum Amyloid A (SAA1) (NM_199161) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Serum Amyloid A (SAA1) (NM_199161) 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_199161
ORF Size:	366 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC202738).`
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. More info
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:	NM_199161.2
RefSeq Size:	531 bp
RefSeq ORF:	369 bp
Locus ID:	6288
UniProt ID:	P02735
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 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]