

Product datasheet for RC229554

Serum Amyloid A (SAA1) (NM_001178006) Human Tagged ORF Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Serum Amyloid A (SAA1) (NM_001178006) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Serum Amyloid A |
| Synonyms: | PIG4; SAA; SAA2; TP53I4 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | <p>>RC229554 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)</p> <p>TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC</p> <p>ATGAAGCTTCTCACGGGCTGGTTTTCTGCTCCTTGGTCTGGGTGTCAGCAGCCGAAGCTTCTTTTCGTTCCTTGGCGAGGCTTTTGGATGGGCTCGGGACATGTGGAGAGCCTACTCTGACATGAGAGAAGCCAATTCATCGGCTCAGACAAATACTTCCATGCTCGGGGAACTATGATGCTGCCAAAAGGGGACCTGGGGGTGCTGGGCTGCAGAAGCGATCAGCGATGCCAGAGAGAATATCCAGAGATTCTTTGGCCATGGTGGGAGGACTCGCTGGCTGATCAGGCTGCCAATGAATGGGCAGGAGTGGCAAAGACCCCAATCACTTCCGACCTGCTGCCCTGCCTGAGAAATAC</p> <p>ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA</p> |
| Protein Sequence: | <p>>RC229554 protein sequence Red=Cloning site Green=Tags(s)</p> <p>MKLLTGLVFCSLVLGVSSRSFFSFLGEAFDGDARMWRAYSDMREANYIGSDKYFHARGNYDAAKRGPGGVWAAEAIISDARENIQRFFGHGAEDSLADQAANEWGRSGKDPNHFRPAGLPEKY</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| Chromatograms: | https://cdn.origene.com/chromatograms/mk6547_a04.zip |
| Restriction Sites: | Sgfl-Mlul |



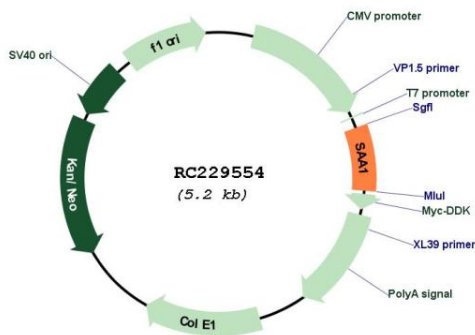
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Cytogenetics: 11p15.1

MW: 13.5 kDa

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]

Product images:



Circular map for RC229554