

## Recombinant Human SAA2 Protein

**Cat. No.** SAA2-0053H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| <b>Product Overview</b> | Recombinant Human SAA2 Protein without tag was expressed in HEK293.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Description</b>      | <p>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 <i>S. aureus</i> and <i>E. coli</i> resides in the N-terminal portion of the mature protein.</p> |
| <b>Applications</b>     | ELISA, CLIA, CG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Notes</b>            | For research use only, not for use in diagnostic procedure.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Storage</b>          | Short term (up to 7 days) store at 2–8 centigrade. Long term, store at - 20 centigrade. Avoid multiple freeze/thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Storage Buffer</b>   | Supplied as a 0.2 µm filtered solution of PBS, pH7.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

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## GENE INFORMATION

|                 |                                                                                         |
|-----------------|-----------------------------------------------------------------------------------------|
| Gene Name       | SAA2 serum amyloid A2 [ Homo sapiens (human) ]                                          |
| Official Symbol | SAA2                                                                                    |
| Synonyms        | SAA2; serum amyloid A2; SAA; SAA1; serum amyloid A-2 protein; Serum amyloid A-1 protein |
| Gene ID         | 6289                                                                                    |
| mRNA Refseq     | NM_030754                                                                               |
| Protein Refseq  | NP_110381                                                                               |
| MIM             | 104751                                                                                  |
| UniProt ID      | P0DJ19                                                                                  |

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