

## Recombinant Human Apo-SAA

CATALOG #:	4324-10	10 µg
	4324-50	50 µg
	4324-500	500 µg
	4324-1000	1 mg

LOT #: \_\_\_\_\_

SOURCE: *E. coli*

PURITY: >98% by SDS-PAGE and HPLC analyses  
Endotoxin level is <0.1 ng/µg of Apo-SAA.

Molecular Wt.: ~11.5 kDa

FORM: Lyophilized with no additives.

### RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in 0.1% acetic acid to a concentration of 1 µg/µl. This solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or -20°C for future use.

### STORAGE CONDITIONS:

The lyophilized human Apo-SAA is best-stored desiccated below 0°C. Reconstituted Apo-SAA should be stored in working aliquots at -20°C.

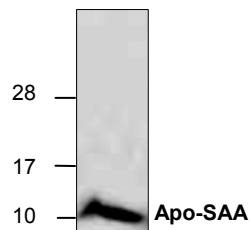
### DESCRIPTION:

Human Apo-SAA is a 104 amino acid polypeptide that circulates primarily in association with high-density lipoproteins (HDL). The level of Apo-SAA, normally 1-5 µg/ml in plasma, increases 500-1000 fold within 24 hours of an inflammatory stimulus and, under these conditions, is the most abundant HDL apo-lipoprotein. The human SAA gene codes for a 122 amino acid polypeptide, which contains an 18 amino acid N-terminal signal sequence.

### BIOLOGICAL ACTIVITY:

For most *in vitro* applications, Apo-SAA exerts its biological activity in the concentration range of 10-50 µg/ml.

NOTE: For *in vitro* research use only! Not to be used in humans.



Cat. #: 4324-50  
Purity of recombinant Apo-SAA (2 µg) was analyzed by reduced SDS-PAGE electrophoresis.

### RELATED PRODUCTS:

#### Apoptosis Detection Kits & Reagents

- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

#### Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

#### Cell Proliferation & Senescence

- Quick Cell Proliferation Assay Kit
- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

#### Cell Damage & Repair

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- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
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#### Signal Transduction

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- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

#### Adipocyte & Lipid Transfer

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- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
- Total Cholesterol Quantification Kit

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- siRNA Vectors
- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- β-Galactosidase Staining Kit & Luciferase Reporter Assay Kit

#### Growth Factors and Cytokines

#### Monoclonal and Polyclonal Antibodies