



## Recombinant Human Apo-SAA1

20150227BB



**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

<b>Cat.-no.:</b>	<b>100-387S</b>
Size:	10 µg
Lot. No.:	According to product label

### Scientific Background

<b>Gene-ID (NCBI):</b>	6288
<b>Synonyms:</b>	Apo-SAA1

Recombinant human Apo-SAA1 is an 11.7 kDa protein containing 105 amino acid residues. Serum amyloid A proteins (SAA) represents a family of apolipoproteins that circulates in association with high-density lipoproteins (HDL). The level of Apo-SAA usually is 1-5 µg/ml in plasma. It 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 non-glycosylated polypeptide, which contains an 18 amino acid N-terminal sequence.

### Sequence

MRSFFSFLGE AFDGARDMWR AYSDMREANY IGSDKYFHAR  
GNYDAAKRGP GGVWAAEAI S DAREN IQRFF GHGAEDSLAD  
QAANEWGRSG KDPNHFRPAG LPEKY

### Database References

<b>Protein RefSeq:</b>	NP_000322.2
<b>Uniprot ID:</b>	P0DJ18
<b>mRNA RefSeq:</b>	NM_000331.4

### Product Specifications

<b>Expressed in</b>	E. coli
<b>Purity</b>	> 98% by SDS-PAGE & HPLC analyses
<b>Endotoxin level</b>	< 0.1 ng /µg of protein (<1EU/µg).
<b>Formulation</b>	lyophilized
<b>Length (aa):</b>	105
<b>MW:</b>	~11.7 kDa

**Biological Activity:** Determined by its ability to chemoattract human monocytes using a concentration range of 10.0-100.0 ng/ml.



**AVOID REPEATED FREEZE AND THAW CYCLES!**