

Apo-SAA1 active protein

Human Apo-SAA1

CATALOG # AAA14945	HOST E Coli	REACTIVITY Human
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PRODUCT SYNONYMS

Apo-SAA1; Human Apo-SAA1; Recombinant Human Apo-SAA1; Apo-SAA1 active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Reactivity	Human
Purity/Purification	> 98% by SDS-PAGE and HPLC analyses
Form/Format	Lyophilized from 5 mM Tris, pH7.8
Sequence	MRSFFSFLGE AFDGARDMWR AYSDMREANY IGSDKYFHAR GNYDAAKGRP GGVWAAE AIS DARENIQRFF GHGAEDSLAD QAANEWGRSG KDPNHFRPAG LPEKY
Sequence Length	122
Endotoxin Level	< 0.1 ng /ug of protein (<1EU/ug).
Length(aa)	105
Biological Activity	Tested by its ability to down-regulate lipid biosynthesis in aortic smooth muscle cells. The effective concentration was found to be 4um.
Reconstitution	Reconstitute in water to a concentration of 1.0 mg/mL. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (exmple 0.1% BSA) and store in working aliquots at -20°C to -80°C.
Preparation and Storage	The lyophilized protein is stable at room temperature for 1 month and at 4°C for 6 months. Reconstituted working aliquots are stable for 1 week at 2°C to 8°C and for 6 months at -20°C to -80°C. Avoid repeated freeze and thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for Apo-SAA1 active protein	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 ug/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.
Product Categories/Family for Apo-SAA1 active protein	Cytokines & Growth Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	40316912
NCBI GeneID	6288
NCBI Accession #	NP_000322.2

NCBI GenBank Nucleotide #	NM_000331.4
UniProt Accession #	P0DJ18; P02735; P02736; P02737; Q16730; Q16834; Q16835; Q16879; Q3KRB3; Q6FG67; Q96QN0; Q9UCK9
Molecular Weight	~11.7 kDa
NCBI Official Full Name	serum amyloid A-1 protein preproprotein
NCBI Official Synonym Full Names	serum amyloid A1
NCBI Official Symbol	SAA1
NCBI Official Synonym Symbols	SAA; PIG4; SAA2; TP53I4
NCBI Protein Information	serum amyloid A-1 protein; serum amyloid A protein; tumor protein p53 inducible protein 4
UniProt Protein Name	Serum amyloid A-1 protein
UniProt Gene Name	SAA1
UniProt Synonym Gene Names	SAA
UniProt Entry Name	SAA1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-human-active-protein/apo-saa1/14945>