Recombinant Human SAA1, His-tagged

Cat. No. SAA1-31166TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Serum Amyloid A fused to a His tag at the N terminal; 125 amino acids, MWt 13.9 kDa.
Species	Human
Source	E.coli
Description	This gene encodes a member of the serum amyloid A family of apolipoproteins. The encoded 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, Alzheimers disease and Crohn s disease. This protein may also be a potential biomarker for certain tumors. Alternate splicing results in multiple transcript variants that encode the same protein. A pseudogene of this gene is found on chromosome 11.
Conjugation	HIS
Tissue specificity	Expressed by the liver; secreted in plasma.
Form	Liquid
Purity	>95% by SDS-PAGE

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Storage buffer	Preservative: NoneConstituents: 10% Glycerol, 20mM Tris buffer, pH 8.0
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MRSFFSFLGE AFDGARDMWR AYSDMREANY IGSDKYFHAR GNYDAAKRGP GGVWAAEAIS DARENIQRFF GHGAEDSLAD QAANEWGRSG KDPNHFRPAG LPEKY
Sequence Similarities	Belongs to the SAA family.
Full Length	Full L.

GENE INFORMATION

Gene Name	SAA1 serum amyloid A1 [Homo sapiens]
Official Symbol	SAA1
Synonyms	SAA1; serum amyloid A1; SAA; serum amyloid A protein; PIG4; TP53I4;
Gene ID	6288
mRNA Refseq	NM_000331
Protein Refseq	NP_000322
MIM	104750
Uniprot ID	P02735

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Chromosome Location	11p15.1
Pathway	Activated TLR4 signalling, organism-specific biosystem; Advanced glycosylation endproduct receptor signaling, organism-specific biosystem; Amyloids, organism-specific biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; Folate Metabolism, organism-specific biosystem;
Function	G-protein coupled receptor binding;

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