

Recombinant Human SAA1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SAA1-3692H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

SAA1 MS Standard C13 and N15-labeled recombinant protein (NP_954630) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

Description

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. Alternate splicing results in multiple transcript variants that encode the same protein. A pseudogene of this gene is found on chromosome 11.

Molecular Mass

13.5 kDa

AA Sequence

MKLLTGLVFCSLVLGVSSRSFFSFLGEAFDGARDMWRAYSMDREANYIGSDKYFHA
 RGNYDAAKRGPGGVWAAEAISDARENIQRFFGHGAEDSLADQAADEWGRSGKDP
 NHFRPAGLPEKYTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	SAA1 serum amyloid A1 [Homo sapiens (human)]
Official Symbol	SAA1
Synonyms	SAA1; serum amyloid A1; SAA; serum amyloid A protein; PIG4; TP53I4; tumor protein p53 inducible protein 4; SAA2; MGC111216;
Gene ID	6288
mRNA Refseq	NM_199161
Protein Refseq	NP_954630
MIM	104750
UniProt ID	P02735

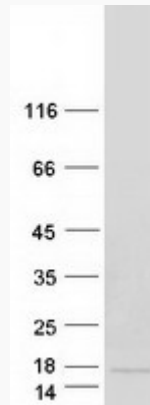
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SDS-PAGE



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