

Recombinant Human Serum Amyloid A4, Constitutive, His-tagged

Cat. No. SAA4-2862H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human SAA4 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. MW = 14.9 kDa (131aa) confirmed by MALDI-TOF.
Species	Human
Source	E.coli
ProteinLength	21-130 a.a.
Description	SAA4 is a constitutively expressed protein belonging to the SAA family. It is a major acute phase reactant and an apolipoprotein of the HDL complex. SAA4 is constitutively expressed only in humans and mice, is associated almost entirely with lipoproteins of the high density range. Its physiological function is unknown and its serum concentration has no relationship with those of other major apolipoproteins. The presence of SAA4 mRNA and protein in macrophage derived foam cells of coronary and carotid arteries suggested a specific role of human SAA4 during inflammation including atherosclerosis.
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MWRSFFKEAL QGVGDMGRAY WDIMISNHQN SNRYLYARGN YDAAQRGPGG VWAAKLISRS RVYLQGLIDY YLFGNSSTVL EDSKSNEKAE EWGRSGKDPD RFRPDGLPKK Y
Purity	> 90 % by SDS – PAGE.

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Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 5mM DTT, 0.2M NaCl, 0.5mM EDTA.
Concentration	0.5 mg/ml (determined by Bradford assay).
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name	SAA4 serum amyloid A4, constitutive [Homo sapiens]
Synonyms	SAA4; serum amyloid A4, constitutive; CSAA; C-SAA; serum amyloid A-4 protein; constitutively expressed serum amyloid A protein
Gene ID	6291
mRNA Refseq	NM_006512
Protein Refseq	NP_006503
MIM	104752
UniProt ID	P35542
Chromosome Location	11p15.1-p14

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